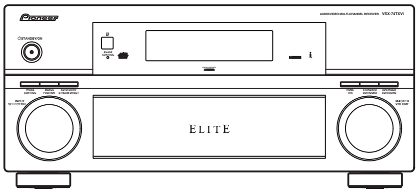
Pioneer sound.vision.soul

Service Manual


VSX-74TXVi

ORDER NO.
RRV3197

AUDIO/VIDEO MULTI-CHANNEL RECEIVER

VSX-74TXVi

VSX-74TXVi-S
VSX-72TXV
VSX-72TXV-S

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Model	Type	Power Requirement	Remarks
VSX-74TXVi	KUXJ/CA	AC120V	
VSX-74TXVi-S	KUXJC	AC120V	
VSX-72TXV	KUXJ/CA	AC120V	
VSX-72TXV-S	KUXJC	AC120V	

!

For details, refer to "Important Check Points for Good Servicing".

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SAFETY INFORMATION

This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.
Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

WARNING
This product contains lead in solder and certain electrical parts contain chemicals which are known to the state of California to cause cancer, birth defects or other reproductive harm.
Health & Safety Code Section 25249.6 – Proposition 65

NOTICE
(FOR CANADIAN MODEL ONLY)
Fuse symbols (fast operating fuse) and/or (slow operating fuse) on PCB indicate that replacement parts must be of identical designation.

REMARQUE
(POUR MODÈLE CANADIEN SEULEMENT)
Les symboles de fusible (fusible de type rapide) et/ou (fusible de type lent) sur CCI indiquent que les pièces de remplacement doivent avoir la même désignation.

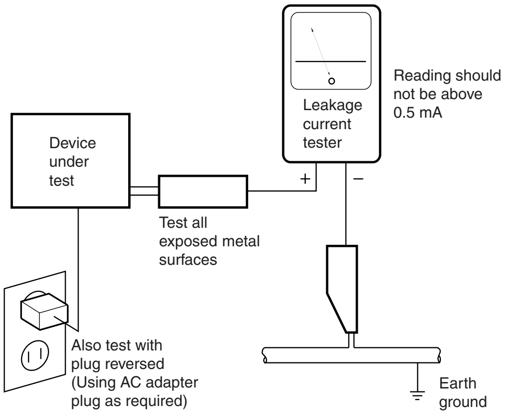
(FOR USA MODEL ONLY)

1. SAFETY PRECAUTIONS

The following check should be performed for the continued protection of the customer and service technician.

LEAKAGE CURRENT CHECK

Measure leakage current to a known earth ground (water pipe, conduit, etc.) by connecting a leakage current tester such as Simpson Model 229-2 or equivalent between the earth ground and all exposed metal parts of the appliance (input/output terminals, screwheads, metal overlays, control shaft, etc.). Plug the AC line cord of the appliance directly into a 120V AC 60 Hz outlet and turn the AC power switch on. Any current measured must not exceed 0.5 mA.


Reading should not be above 0.5 mA
Leakage current tester
Device under test
+
–
Test all exposed metal surfaces
Also test with plug reversed (Using AC adapter plug as required)
Earth ground

AC Leakage Test

ANY MEASUREMENTS NOT WITHIN THE LIMITS OUTLINED ABOVE ARE INDICATIVE OF A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

2. PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in the appliance have special safety related characteristics. These are often not evident from visual inspection nor the protection afforded by them necessarily can be obtained by using replacement components rated for voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this Service Manual.

Electrical components having such features are identified by marking with a ⚠ on the schematics and on the parts list in this Service Manual.
The use of a substitute replacement component which does not have the same safety characteristics as the PIONEER recommended replacement one, shown in the parts list in this Service Manual, may create shock, fire, or other hazards.

Product Safety is continuously under review and new instructions are issued from time to time. For the latest information, always consult the current PIONEER Service Manual. A subscription to, or additional copies of, PIONEER Service Manual may be obtained at a nominal charge from PIONEER.

[Important Check Points for Good Servicing]

In this manual, procedures that must be performed during repairs are marked with the below symbol.
Please be sure to confirm and follow these procedures.

1. Product safety

Please conform to product regulations (such as safety and radiation regulations), and maintain a safe servicing environment by following the safety instructions described in this manual.

① Use specified parts for repair.

Use genuine parts. Be sure to use important parts for safety.

② Do not perform modifications without proper instructions.

Please follow the specified safety methods when modification(addition/change of parts) is required due to interferences such as radio/TV interference and foreign noise.

③ Make sure the soldering of repaired locations is properly performed.

When you solder while repairing, please be sure that there are no cold solder and other debris.
Soldering should be finished with the proper quantity. (Refer to the example)

④ Make sure the screws are tightly fastened.

Please be sure that all screws are fastened, and that there are no loose screws.

⑤ Make sure each connectors are correctly inserted.

Please be sure that all connectors are inserted, and that there are no imperfect insertion.

⑥ Make sure the wiring cables are set to their original state.

Please replace the wiring and cables to the original state after repairs.
In addition, be sure that there are no pinched wires, etc.

⑦ Make sure screws and soldering scraps do not remain inside the product.

Please check that neither solder debris nor screws remain inside the product.

⑧ There should be no semi-broken wires, scratches, melting, etc. on the coating of the power cord.

Damaged power cords may lead to fire accidents, so please be sure that there are no damages.
If you find a damaged power cord, please exchange it with a suitable one.

⑨ There should be no spark traces or similar marks on the power plug.

When spark traces or similar marks are found on the power supply plug, please check the connection and advise on secure connections and suitable usage. Please exchange the power cord if necessary.

⑩ Safe environment should be secured during servicing.

When you perform repairs, please pay attention to static electricity, furniture, household articles, etc. in order to prevent injuries.
Please pay attention to your surroundings and repair safely.

2. Adjustments

To keep the original performance of the products, optimum adjustments and confirmation of characteristics within specification.
Adjustments should be performed in accordance with the procedures/instructions described in this manual.

3. Lubricants, Glues, and Replacement parts

Use grease and adhesives that are equal to the specified substance.
Make sure the proper amount is applied.

4. Cleaning

For parts that require cleaning, such as optical pickups, tape deck heads, lenses and mirrors used in projection monitors, proper cleaning should be performed to restore their performances.

5. Shipping mode and Shipping screws

To protect products from damages or failures during transit, the shipping mode should be set or the shipping screws should be installed before shipment. Please be sure to follow this method especially if it is specified in this manual.

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1. SPECIFICATIONS

Specifications

Amplifier section

Continuous average power output of 140 (or 130) watts* per channel, min., at 8 ohms, from 20 Hz to 20,000 Hz with no more than 0.09% total harmonic distortion (front).**

Continuous Power Output (20Hz-20kHz, 8Ω, 0.09%)

Front	130 W + 130 W (72TXV) 140 W + 140 W (74TXVi)
Center	130 W (72TXV), 140 W (74TXVi)
Surround	130 W + 130 W (72TXV) 140 W + 140 W (74TXVi)
Surround back	130 W + 130 W (72TXV) 140 W + 140 W (74TXVi)

Continuous Power Output (1 kHz, 6 Ω, 1.0%)

Front	160 W + 160 W (72TXV) 180 W + 180 W (74TXVi)
Center	160 W (72TXV), 180 W (74TXVi)
Surround	160 W + 160 W (72TXV) 180 W + 180 W (74TXVi)
Surround back	160 W + 160 W (72TXV) 180 W + 180 W (74TXVi)

Total harmonic distortion	0.05% (20 Hz-20 kHz, 120 W, 8 Ω) (72TXV) (20 Hz-20 kHz, 130 W, 8 Ω) (74TXVi)

Audio Section

Input (Sensitivity/Impedance)	
LINE	335 mV/47 kΩ
Frequency Response (LINE)	5 Hz to 100,000 Hz $^{+0}_{-3}$ dB
Output (Level/Impedance)	
REC	335 mV/2.2 kΩ
Tone Control	
BASS	± 6 dB (100 Hz)
TREBLE	± 6 dB (10 kHz)
LOUDNESS	+4/+2 dB (100Hz/10 kHz) (at volume position -40 dB)
Signal-to-Noise Ratio (IHF, short circuited, A network)	
LINE	103 dB
Signal-to-Noise Ratio [EIA, at 1W (1kHz)]	
LINE	83 dB

* Measured pursuant to the Federal Trade Commission's Trade Regulation rule on Power Output Claims for Amplifiers

** Measured by Audio Spectrum Analyzer

Composite Video / S-Video Section

Input (Sensitivity/Impedance)	1 Vp-p/75 Ω
Output (Level/Impedance)	1 Vp-p/75 Ω
Signal-to-Noise Ratio	65 dB
Frequency Response	5 Hz to 10 MHz

Component Video Section

Input (Sensitivity/Impedance)	1 Vp-p/75 Ω
Output (Level/Impedance)	1 Vp-p/75 Ω
Signal-to-Noise Ratio	65 dB
Frequency Response	5 Hz to 100 MHz

FM Tuner Section

Frequency Range	87.5 MHz to 108 MHz
Usable Sensitivity	Mono: 13.2 dBf, IHF (1.3 µV/75 Ω)
50 dB Quieting Sensitivity	Mono: 20.2 dBf Stereo: 38.6 dBf
Signal-to-Noise Ratio	Mono: 73 dB (at 85 dBf) Stereo: 70 dB (at 85 dBf)
Distortion	Stereo: 0.5% (1 kHz)
Alternate Channel Selectivity	60 dB (400 kHz)
Stereo Separation	40 dB (1 kHz)
Frequency Response	30 Hz to 15 kHz ± 1dB
Antenna Input	75 Ω unbalanced

AM Tuner Section

Frequency Range	530 kHz to 1,700 kHz
Sensitivity (IHF, Loop antenna)	350 µV/m
Selectivity	25 dB
Signal-to-Noise Ratio	50 dB
Antenna	Loop antenna

Miscellaneous

Power Requirements	AC 120 V, 60 Hz
Power Consumption	530 W, 690 VA
In standby	Less than 0.6 W
AC Outlet	(switched) 100 W MAX.
Dimensions	420 (W) x 187 (H) x 462 (D) mm ($16^{9}/_{16}$ (W) x $7^{3}/_{8}$(H) x $18^{1}/_{4}$(D)in.)
Weight (without package)	16.0 kg (35.3 lb) (74TXVi) 15.9 kg (35.1 lb) (72TXV)

Furnished Parts

Setup microphone (for Auto MCACC setup)	1
AA/IEC R6P dry cell batteries	2
Remote control unit	1
AM loop antenna	1
FM wire antenna	1
Audio control cable for iPod	1
Warranty card	1
Operating instructions	
Operating instructions (Audio control cable for iPod)	
Caution Sheet SP, E	

Note

- Specifications and the design are subject to possible modifications without notice, due to improvements.

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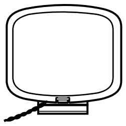
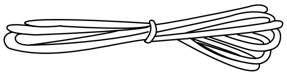
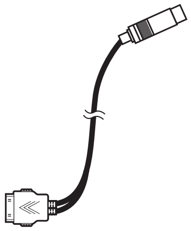
● Accessories



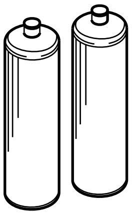
AM Loop Antenna
(ATB7013)



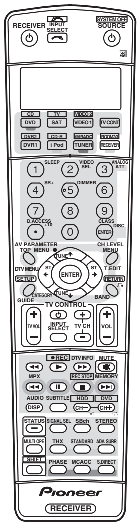
FM Wire Antenna
(ADH7030)



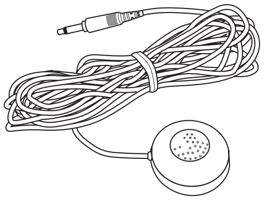
Audio Control Cable for iPod
(ADE7119)



AA/IEC R6P Dry Cell Batteries
(VEM1031)


RECEIVER
INPUT SELECT
SOURCE
DVD
SAT
VIDEO 1
TV CONT
DVR1
iPod
TUNER
RECEIVER
SLEEP
VIDEO SEL
ANALOG ATT
DIMMER
D.ACCESS
CLASS
DISC
ENTER
AV PARAMETER
TOP MENU
CH LEVEL MENU
DTV MENU
T.EDIT
ENTER
GUIDE
BAND
TV CONTROL
TV VOL
INPUT SELECT
TV CH
VOL
REC
DTV INFO
MUTE
MPX
AUDIO
SUBTITLE
HDD
DVD
DISP
STATUS
SIGNAL SEL
SBch
STEREO
MULTI OPE
THX
STANDARD
ADV. SURR
PHASE
MCACC
S.DIRECT
Pioneer
RECEIVER

Remote Control Unit
(AXD7409)

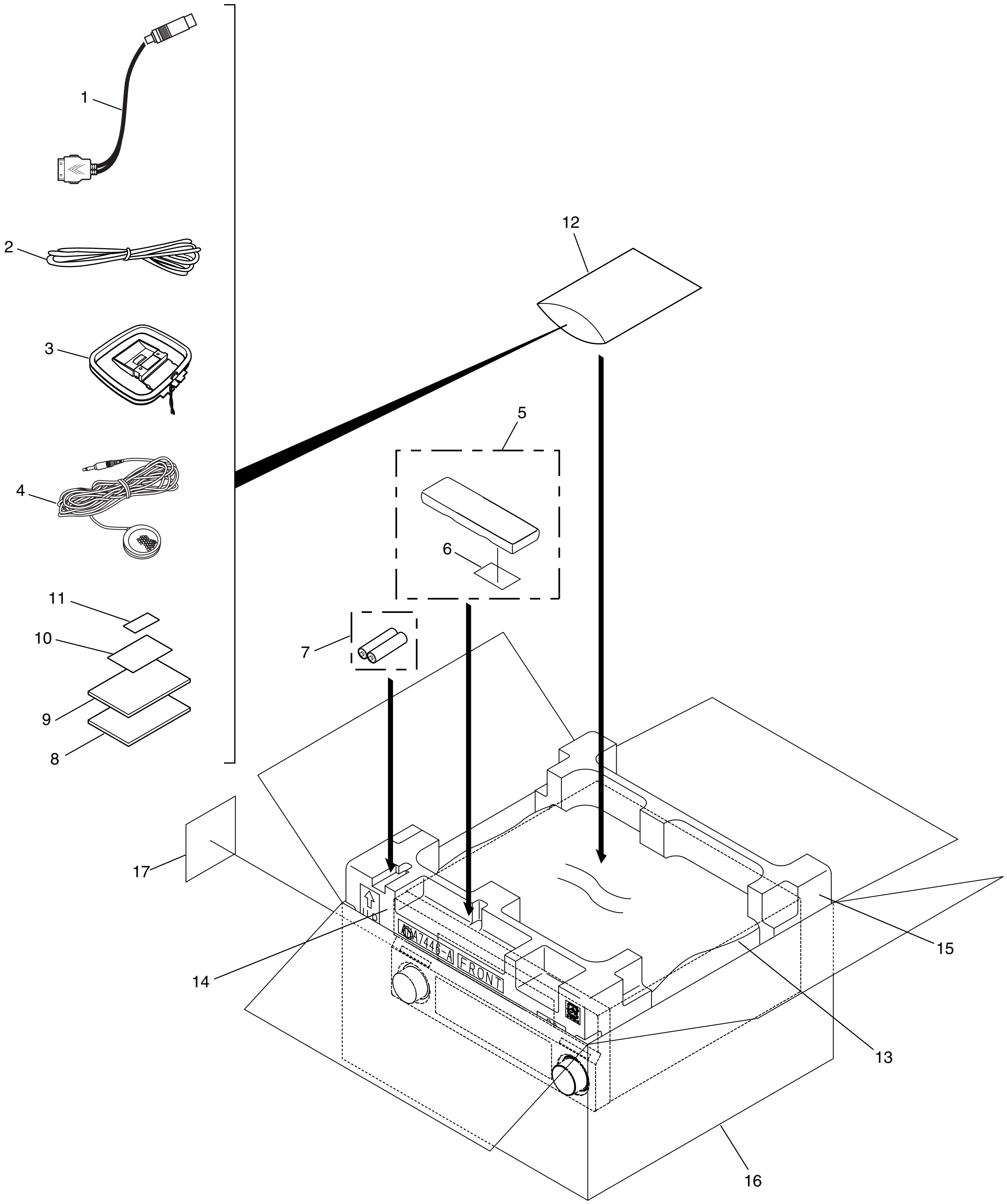


Setup Microphone
(for Auto MCACC setup)
(APM7006)

2. EXPLODED VIEWS AND PARTS LIST

NOTES:
- *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *Screws adjacent to ▼ mark on product are used for disassembly.*
- *For the applying amount of lubricants or glue, follow the instructions in this manual. (In the case of no amount instructions, apply as you think it appropriate.)*

2.1 PACKING



(1) PACKING SECTION PARTS LIST

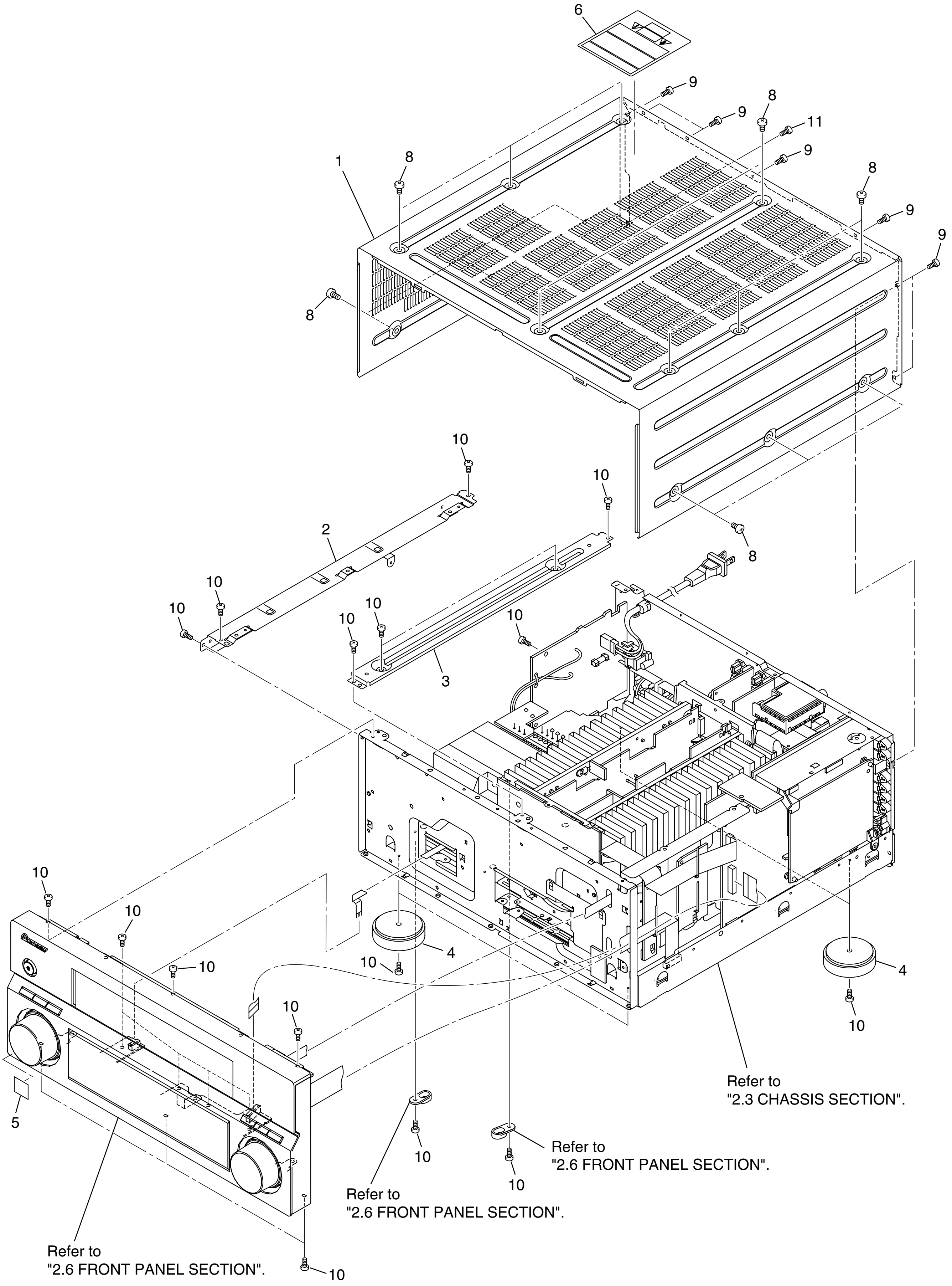
Mark	No.	Description	Part No.
	1	Audio Control Cable for iPod	ADE7119
	2	FM Wire Antenna	ADH7030
	3	AM Loop Antenna	ATB7013
	4	Setup Microphone (for Auto MCACC setup)	APM7006
	5	Remote Control Unit	AXD7409
	6	Battery Cover	XZN3140
NSP	7	AA/IEC R6P Dry Cell Batteries	VEM1031
	8	Operating Instructions (English)	ARB7334
	9	Operating Instructions (Audio Control Cable for iPod)	ARE7600
	10	Caution Sheet SP, E	ARM7056
NSP	11	Warranty Card	ARY7007
NSP	12	Polyethylene Bag	AHG7117
	13	Packing Sheet	RHC1023
	14	Front Pad 74	AHA7446
	15	Rear Pad 74	AHA7447
	16	Packing Case	See Contrast table (2)
	17	iPod Label	ARW7332

(2) CONTRAST TABLE

VSX-74TXVi/KUXJ/CA, VSX-74TXVi-S/KUXJC, VSX-72TXV/KUXJ/CA and VSX-72TXV-S/KUXJC are constructed the same except for the following:

Mark	No.	Symbol and Description	VSX-74TXVi /KUXJ/CA	VSX-74TXVi-S /KUXJC	VSX-72TXV /KUXJ/CA	VSX-72TXV-S /KUXJC
	16	Packing Case	AHD8418	AHD8420	AHD8419	AHD8421

2.2 EXTERIOR


Refer to
"2.3 CHASSIS SECTION".
Refer to
"2.6 FRONT PANEL SECTION".
Refer to
"2.6 FRONT PANEL SECTION".
Refer to
"2.6 FRONT PANEL SECTION".

(1) EXTERIOR SECTION PARTS LIST

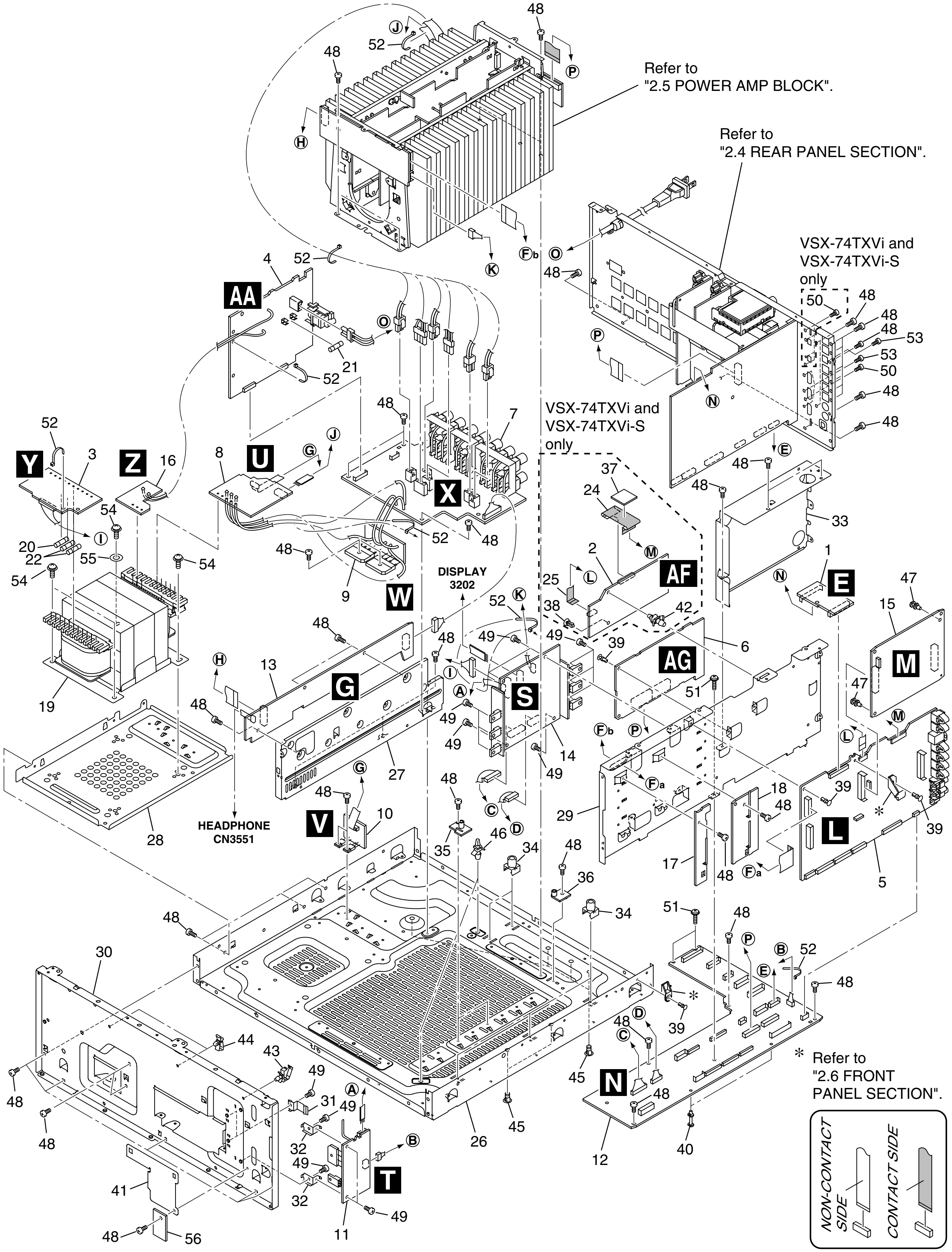
Mark	No.	Description	Part No.
	1	Bonnet	See Contrast table (2)
	2	Left Beam 45	ANG7401
	3	Center Beam V1	ANG7482
	4	Insulator	AMR7198
NSP	5	Energy Star Label	AAX8022
	6	Label (DD/DTS/THX)	ARW7320
	7	••••••	
	8	Screw	See Contrast table (2)
	9	Screw	BBZ30P060FCC
	10	Screw	BBZ30P080FCC
	11	Screw	IBP30P090FCC

(2) CONTRAST TABLE

VSX-74TXVi/KUXJ/CA, VSX-74TXVi-S/KUXJC, VSX-72TXV/KUXJ/CA and VSX-72TXV-S/KUXJC are constructed the same except for the following:

Mark	No.	Symbol and Description	VSX-74TXVi /KUXJ/CA	VSX-74TXVi-S /KUXJC	VSX-72TXV /KUXJ/CA	VSX-72TXV-S /KUXJC
	1	Bonnet 74B	AZN8006	Not used	AZN8006	Not used
	1	Bonnet AX4S	Not used	AZN8008	Not used	AZN8008
	8	Screw	BCZ40P060FTB	BCZ40P060FNI	BCZ40P060FTB	BCZ40P060FNI

2.3 CHASSIS SECTION


Refer to "2.5 POWER AMP BLOCK".

Refer to "2.4 REAR PANEL SECTION".

VSX-74TXVi and VSX-74TXVi-S only

VSX-74TXVi and VSX-74TXVi-S only

* Refer to "2.6 FRONT PANEL SECTION".

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(1) CHASSIS SECTION PARTS LIST

Mark	No.	Description	Part No.
NSP	1	BRIDGE 1 Assy	AWX8667
	2	1394 Assy	See Contrast table (2)
	3	TRANS 2-2 Assy	AWX8626
	4	PRIMARY Assy	AWX8628
	5	DIGITAL MOTHER Assy	See Contrast table (2)
	6	HDMI & DVC Assy	AWQ7024
	7	SP/PS Assy	See Contrast table (2)
	8	TRANS 2-1 Assy	AWX8646
NSP	9	DIODE Assy	AWX8648
	10	VH TR Assy	AWX8649
	11	DC/DC Assy	AWX8650
	12	INTERFACE Assy	AWX8651
NSP	13	TRANS SIDE Assy	AWX8652
	14	LOCAL SUPPLY Assy	AWX8671
	15	DSP Assy	AWX8599
	16	TRANS 1 Assy	•••••
NSP	17	FFC Guard (Front) Assy	AWX8634
NSP	18	FFC Guard (Side) Assy	AWX8696
⚠	19	Power Transformer (T1501)	ATS7402
⚠	20	Fuse (FU4 : 5A/125V)	REK1067
⚠	21	Fuse (FU1 : 10A/125V)	REK1087
⚠	22	Fuse (FU5, 6 : 1.25A/125V)	REK1108
⚠	23	Fuse (FU7, 8 : 2.5A/125V)	REK1112
	24	22P Flexible Cable (J52)	See Contrast table (2)
	25	10P Flexible Cable (J53)	See Contrast table (2)
NSP	26	Under Base 72	ANA7182
	27	Under Beam V1	ANG7478
NSP	28	Trans. Frame 74	ANG7539
NSP	29	DSP Shield 74	ANG7540
NSP	30	Panel Stay 74	ANG7541

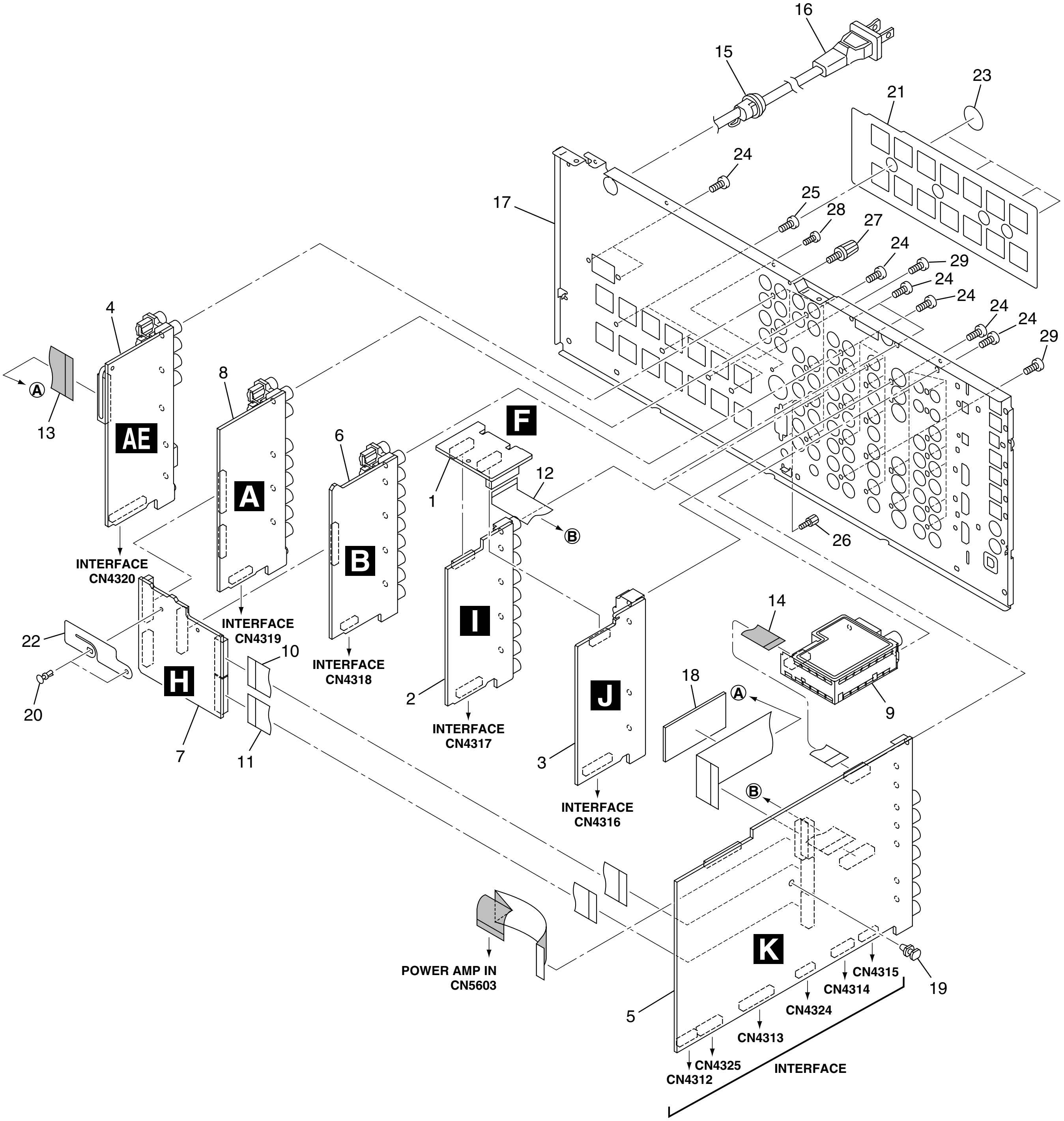
Mark	No.	Description	Part No.
NSP	31	Transistor Holder	ANG7543
NSP	32	DC Assy Holder	ANG7544
NSP	33	HDMI Shield	ANK7124
	34	PCB Mold	AMR2534
	35	Inter Holder A	AMR7500
	36	Inter Holder B	AMR7501
	37	Shield Cushion	See Contrast table (2)
	38	Nyron Rivet	See Contrast table (2)
	39	Nyron Rivet	AEC7408
	40	Card Spacer	AEC7502
NSP	41	FR IN Barrier	AEC7538
	42	Locking Card Spacer	See Contrast table (2)
	43	Locking Wire Saddle	AEC7550
	44	Side Clamp	DEC2007
	45	Card Spacer	DNK2769
	46	Locking Card Spacer	PNW2917
	47	PC Support	VEC1508
	48	Screw	BBZ30P080FCC
	49	Screw	BBZ30P060FCC
	50	Screw	BBZ26P080FCC
	51	Screw 3 x 15	ABA7100
NSP	52	Binder (BK-1)	ZCA-BK1
	53	Screw	PMZ30P060FCC
	54	Screw	ABA7125
	55	Washer	WH40FNI
NSP	56	Barrier Holder	••••••

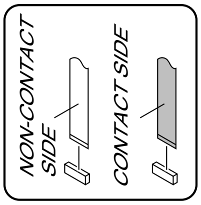
(2) CONTRAST TABLE

VSX-74TXVi/KUXJ/CA, VSX-74TXVi-S/KUXJC, VSX-72TXV/KUXJ/CA and VSX-72TXV-S/KUXJC are constructed the same except for the following:

Mark	No.	Symbol and Description	VSX-74TXVi /KUXJ/CA	VSX-74TXVi-S /KUXJC	VSX-72TXV /KUXJ/CA	VSX-72TXV-S /KUXJC
	2	1394 Assy	AWK7882	AWK7882	Not used	Not used
	5	DIGITAL MOTHER Assy	AWP7037	AWP7037	AWP7041	AWP7041
	7	SP/PS Assy	AWX8642	AWX8642	AWX8644	AWX8644
	24	22P Flexible Cable (J52)	ADD7517	ADD7517	Not used	Not used
	25	10P Flexible Cable (J53)	ADD7518	ADD7518	Not used	Not used
	37	Shield Cushion	AEB7372	AEB7372	Not used	Not used
	38	Nyron Rivet	AEC7406	AEC7406	Not used	Not used
	42	Locking Card Spacer	AEC7549	AEC7549	Not used	Not used

2.4 REAR PANEL SECTION


16
15
23
21
24
17
25
28
27
24
29
24
24
24
24
29
4
8
6
13
AE
A
B
F
1
12
B
I
INTERFACE
CN4320
INTERFACE
CN4319
INTERFACE
CN4318
22
10
H
20
7
11
2
INTERFACE
CN4317
J
3
INTERFACE
CN4316
26
14
9
18
A
A
B
K
POWER AMP IN
CN5603
19
5
CN4315
CN4314
CN4324
CN4313
CN4325
CN4312
INTERFACE
A
B
C
D
E
F


NON-CONTACT SIDE
CONTACT SIDE

(1) REAR PANEL SECTION PARTS LIST

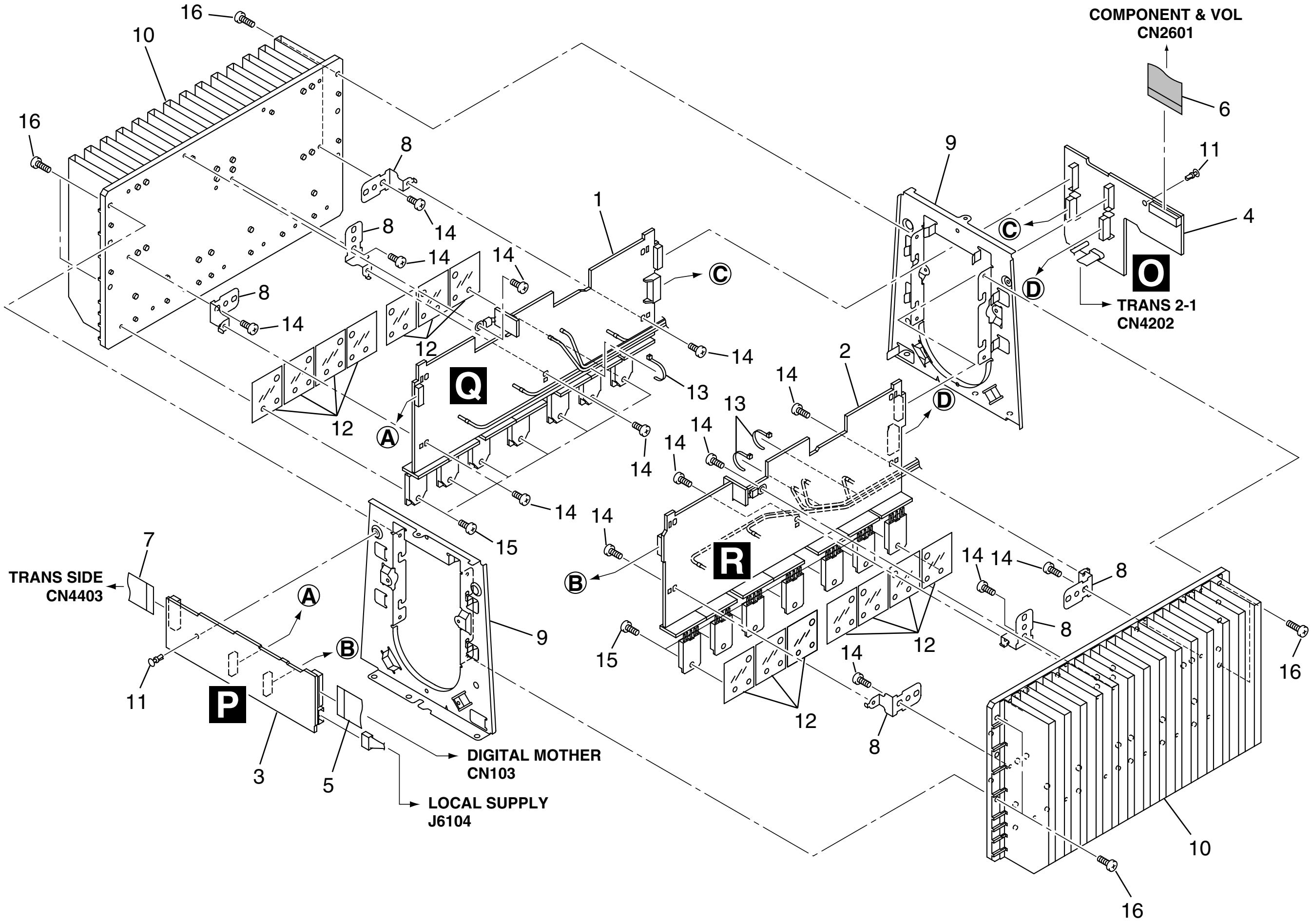
Mark	No.	Description	Part No.
NSP	1	BRIDGE 2 Assy	AWX8668
	2	COMPOSITE V Assy	AWX8620
	3	S VIDEO Assy	AWX8622
	4	PREOUT & CONTROL Assy	AWX8625
	5	COMPONENT & VOL Assy	See Contrast table (2)
	6	V-AUDIO Assy	AWX8637
NSP	7	BRIDGE 3 Assy	AWX8669
	8	AUDIO & MULTI CH IN Assy	AWX8674
	9	FM/AM TUNER Unit	AXX7172
	10	19P Flexible Cable (J45)	ADD7511
	11	17P Flexible Cable (J46)	ADD7512
	12	17P Flexible Cable (J47)	ADD7513
	13	26P Flexible Cable (J48)	ADD7514
	14	11P Flexible Cable (J54)	ADD7519
	15	Cord Stopper	CM-22C
⚠	16	Power Cord	VDG1075
	17	Rear Panel	See Contrast table (2)
	18	FFC Cushion	AEB7373
NSP	19	PCB Spacer (3 x 6)	AEC7156
	20	Nyron Rivet	AEC7408
	21	SP Sheet 74	AEC7537
NSP	22	Connect Barrier	AEC7541
	23	Cushion Circle 16B	AED7052
	24	Screw	BBZ30P080FCC
	25	Screw	BBZ30P100FCC
	26	Screw 2.85 x 7	ABA7078
	27	Terminal Screw	AKE-031
	28	Screw	BBZ26P080FCC
	29	Screw	BBT30P100FCC

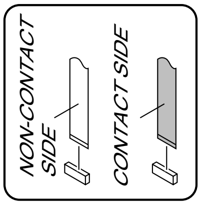
(2) CONTRAST TABLE

VSX-74TXVi/KUXJ/CA, VSX-74TXVi-S/KUXJC, VSX-72TXV/KUXJ/CA and VSX-72TXV-S/KUXJC are constructed the same except for the following:

Mark	No.	Symbol and Description	VSX-74TXVi /KUXJ/CA	VSX-74TXVi-S /KUXJC	VSX-72TXV /KUXJ/CA	VSX-72TXV-S /KUXJC
	5	COMPONENT & VOL Assy	AWQ7028	AWQ7028	AWQ7030	AWQ7030
	17	Rear Panel 74KU	ANC8324	Not used	Not used	Not used
	17	Rear Panel 74SKU	Not used	ANC8366	Not used	Not used
	17	Rear Panel 72KU	Not used	Not used	ANC8325	Not used
	17	Rear Panel 72SKU	Not used	Not used	Not used	ANC8367

2.5 POWER AMP BLOCK

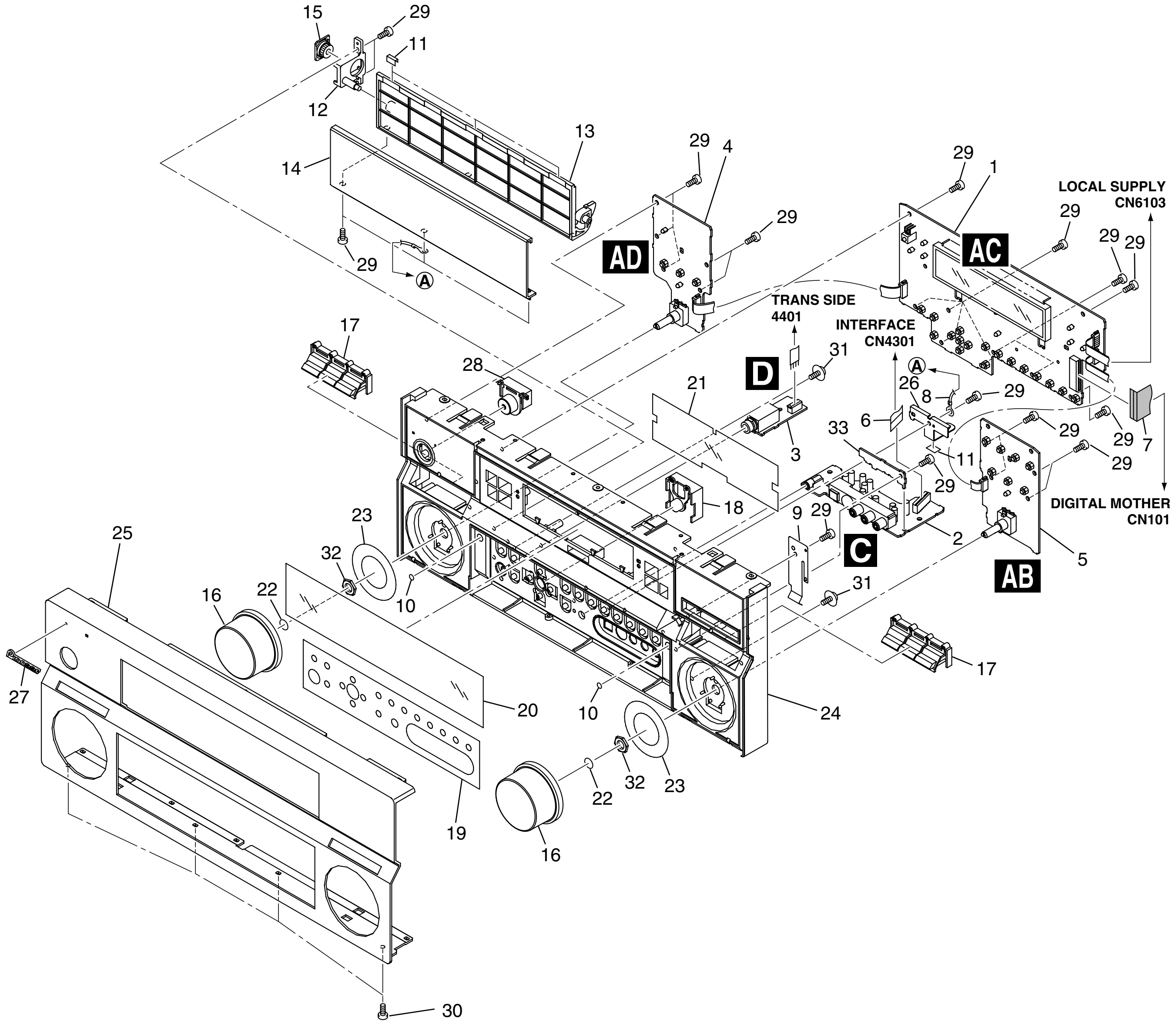

16
10
16
8
14
8
14
14
8
14
1
12
12
Q
13
14
C
A
14
15
14
COMPONENT & VOL
CN2601
6
9
11
4
C
D
O
TRANS 2-1
CN4202
2
14
13
D
14
14
14
R
B
14
14
8
8
12
14
12
15
8
16
10
16
7
TRANS SIDE
CN4403
A
B
11
P
3
5
9
DIGITAL MOTHER
CN103
LOCAL SUPPLY
J6104

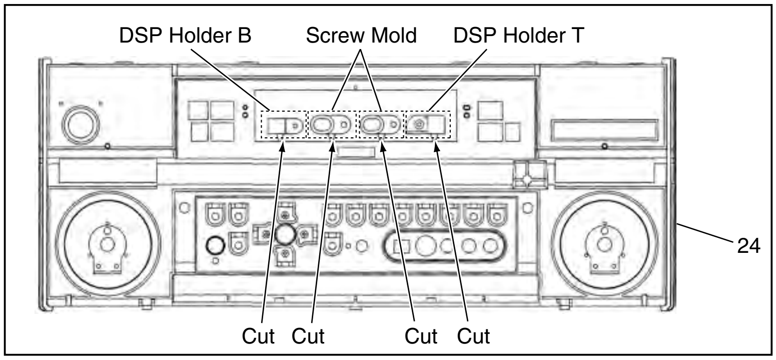

NON-CONTACT SIDE
CONTACT SIDE

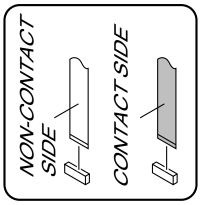
POWER AMP BLOCK PARTS LIST

Mark	No.	Description	Part No.
	1	POWER AMP-L Assy	AWX8654
	2	POWER AMP-R Assy	AWX8656
	3	POWER PROTECT Assy	AWX8658
	4	POWER AMP IN Assy	AWX8662
	5	19P Flexible Cable (J43)	ADD7509
	6	19P Flexible Cable (J44)	ADD7510
	7	17P Flexible Cable (J51)	ADD7516
	8	PCB Angle 45	ANG7406
NSP	9	HS Angle 74	ANG7542
NSP	10	Heatsink 74	ANH7181
	11	Nyron Rivet	AEC7408
	12	Mica Sheet	AEC7545
NSP	13	Binder (BK-1)	ZCA-BK1
	14	Screw	BBZ30P080FCC
	15	Screw 3 x 19	ABA7085
	16	Screw	BBT30P100FCC

2.6 FRONT PANEL SECTION


15
29
11
12
13
14
29
A
29
4
AD
29
29
1
LOCAL SUPPLY
CN6103
29
29 29
AC
TRANS SIDE
4401
INTERFACE
CN4301
17
28
31
D
A
21
26
8
29
6
33
3
29
7
11
29
29
18
9 29
29
2
23
25
32
C
5
AB
31
DIGITAL MOTHER
CN101
16
22
10
17
27
20
10
24
32
23
22
19
16
30


DSP Holder B
Screw Mold
DSP Holder T
24
Cut
Cut
Cut
Cut


NON-CONTACT SIDE
CONTACT SIDE

(1) FRONT PANEL SECTION PARTS LIST

Mark	No.	Description	Part No.
	1	DISPLAY Assy	See Contrast table (2)
	2	FRONT-IN Assy	AWX8638
	3	HEADPHONE Assy	AWX8639
	4	INPUT SELECT Assy	AWX8640
	5	VOLUME Assy	AWX8641
	6	15P Flexible Cable (J41)	ADD7507
	7	23P Flexible Cable (J42)	ADD7508
NSP	8	Cord with Plug	ADH7022
	9	Door Spring	ABK7061
	10	Cushion Circle	See Contrast table (2)
	11	Cushion 11 x 7	AED7092
	12	Door Shaft 35	AMR7295
	13	Door Base	See Contrast table (2)
	14	Door Panel	See Contrast table (2)
	15	Damper Assy (200)	AXA7088
	16	Rotary Knob	See Contrast table (2)
	17	Hinge Button	See Contrast table (2)
	18	ENTER Button	See Contrast table (2)
	19	Door Sheet	See Contrast table (2)
	20	Window	See Contrast table (2)
	21	Filter	See Contrast table (2)
	22	Ring	ABH7213
	23	Knob Spacer 74	AEC7558
	24	Panel Base	See Contrast table (2)
	25	Front Panel	See Contrast table (2)
	26	Earth Plate A	ANG7484
	27	Pioneer Badge	See Contrast table (2)
	28	STBY BTN Assy	See Contrast table (2)
	29	Screw	BBZ30P080FNI
	30	Screw	See Contrast table (2)
	31	Screw	ABA7110
	32	Nut	NK90FCU
NSP	33	Front In Folder	••••••

(2) CONTRAST TABLE

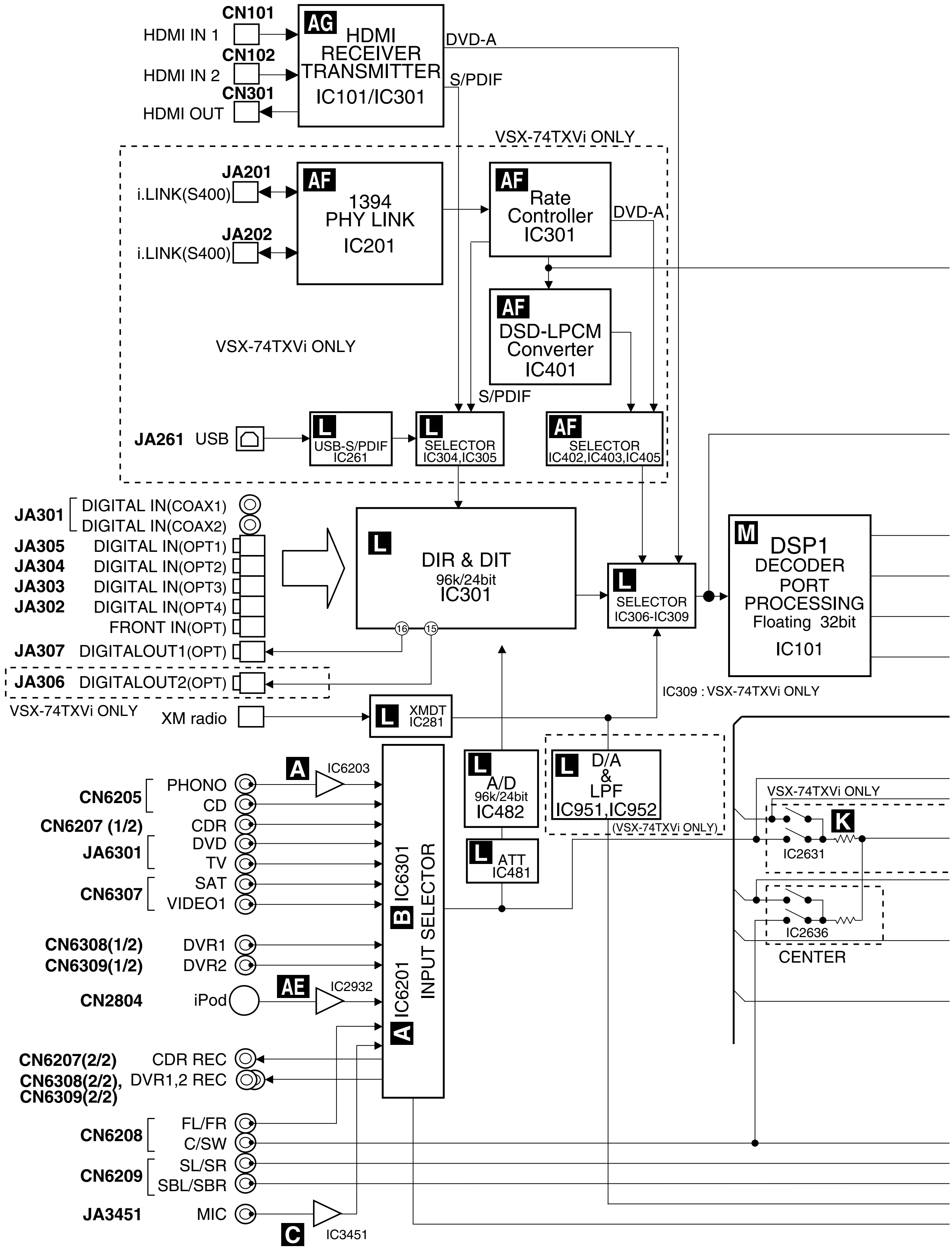
VSX-74TXVi/KUXJ/CA, VSX-74TXVi-S/KUXJC, VSX-72TXV/KUXJ/CA and VSX-72TXV-S/KUXJC are constructed the same except for the following:

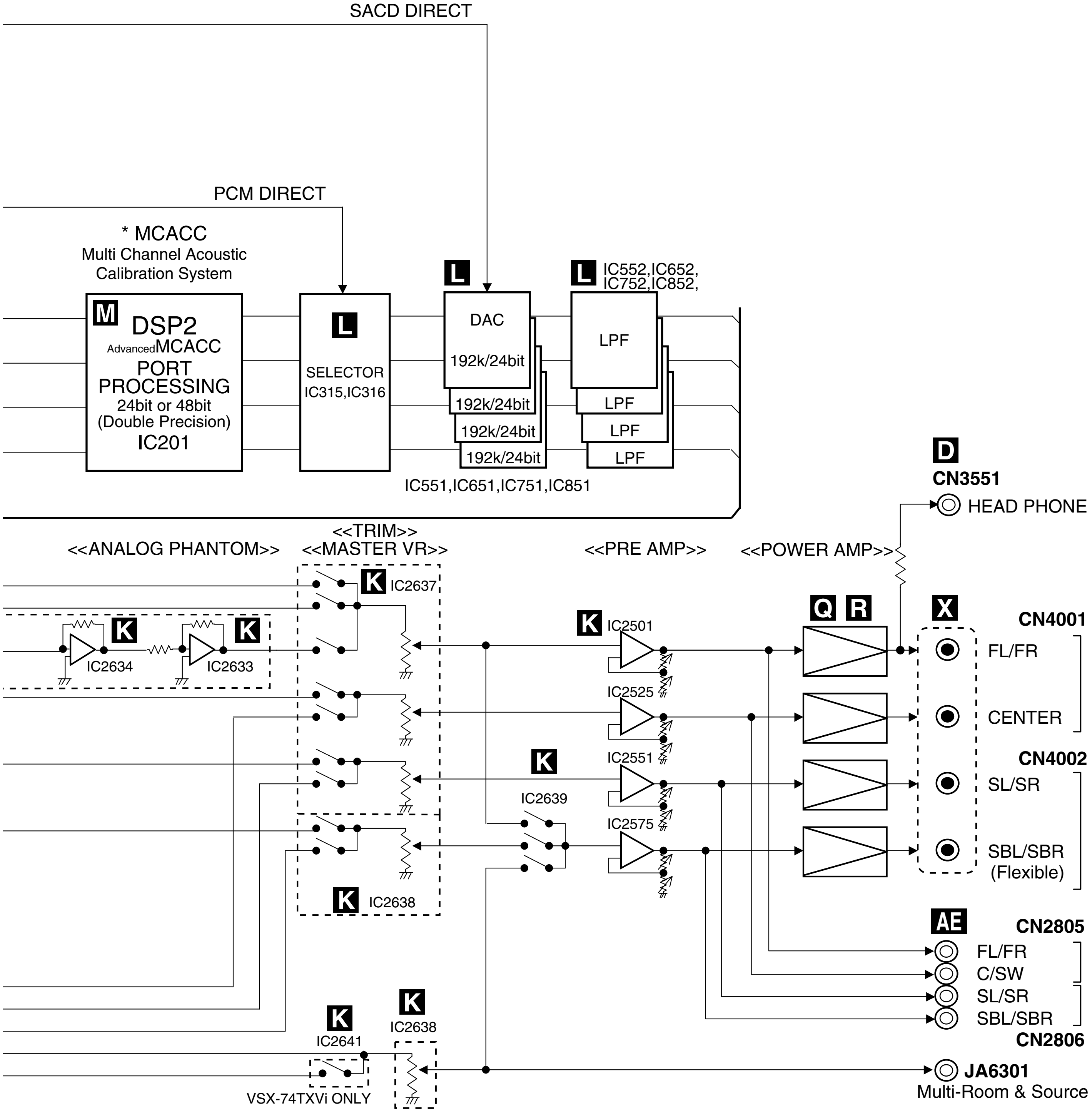
Mark	No.	Symbol and Description	VSX-74TXVi /KUXJ/CA	VSX-74TXVi-S /KUXJC	VSX-72TXV /KUXJ/CA	VSX-72TXV-S /KUXJC
	1	DISPLAY Assy	AWX8635	AWX8635	AWX8636	AWX8636
	10	Cushion Circle 6B	AED7083	Not used	AED7083	Not used
	10	Cushion Circle 6S	Not used	AED7080	Not used	AED7080
	13	Door Base BK	AMR7508	Not used	AMR7508	Not used
	13	Door Base S	Not used	AMR7510	Not used	AMR7510
	14	Door Panel 74	ANB7369	Not used	ANB7369	Not used
	14	Door Panel 74S	Not used	ANB7391	Not used	ANB7391
	16	Rotary Knob BK	AAA7031	Not used	AAA7031	Not used
	16	Rotary Knob S	Not used	AAA7025	Not used	AAA7025
	17	Hinge Button 74BK	AAD7744	Not used	AAD7744	Not used
	17	Hinge Button AX4S	Not used	AAD7746	Not used	AAD7746
	18	ENTER Button 74BK	AAD7747	Not used	AAD7747	Not used
	18	ENTER Button AX4S	Not used	AAD7749	Not used	AAD7749
	19	Door Sheet 74	AAK8291	Not used	AAK8291	Not used
	19	Door Sheet AX4HY	Not used	AAK8293	Not used	AAK8293
	20	Window 74	AAK8296	Not used	Not used	Not used
	20	Window 74S	Not used	AAK8317	Not used	Not used
	20	Window 72	Not used	Not used	AAK8297	Not used
	20	Window 72S	Not used	Not used	Not used	AAK8318
	21	Filter 74	AAK8308	Not used	AAK8308	Not used
	21	Filter 74S	Not used	AAK8311	Not used	AAK8311
	24	Panel Base 74BK	AMB7900	Not used	AMB7900	Not used
	24	Panel Base 74S	Not used	AMB7907	Not used	AMB7907
	25	Front Panel 74	ANB7374	Not used	Not used	Not used
	25	Front Panel 74S	Not used	ANB7392	Not used	Not used
	25	Front Panel 72	Not used	Not used	ANB7375	Not used
	25	Front Panel 72S	Not used	Not used	Not used	ANB7393
	27	Pioneer Badge B	PAN1376	Not used	PAN1376	Not used
	27	Pioneer Badge S	Not used	VAM1124	Not used	VAM1124
	28	STBY BTN 915K Assy	XAD3216	Not used	XAD3216	Not used
	28	STBY BTN 915P Assy	Not used	XAD3217	Not used	XAD3217
	30	Screw	BBZ30P080FTB	BBZ30P080FNI	BBZ30P080FTB	BBZ30P080FNI

3. BLOCK DIAGRAM AND SCHEMATIC DIAGRAM

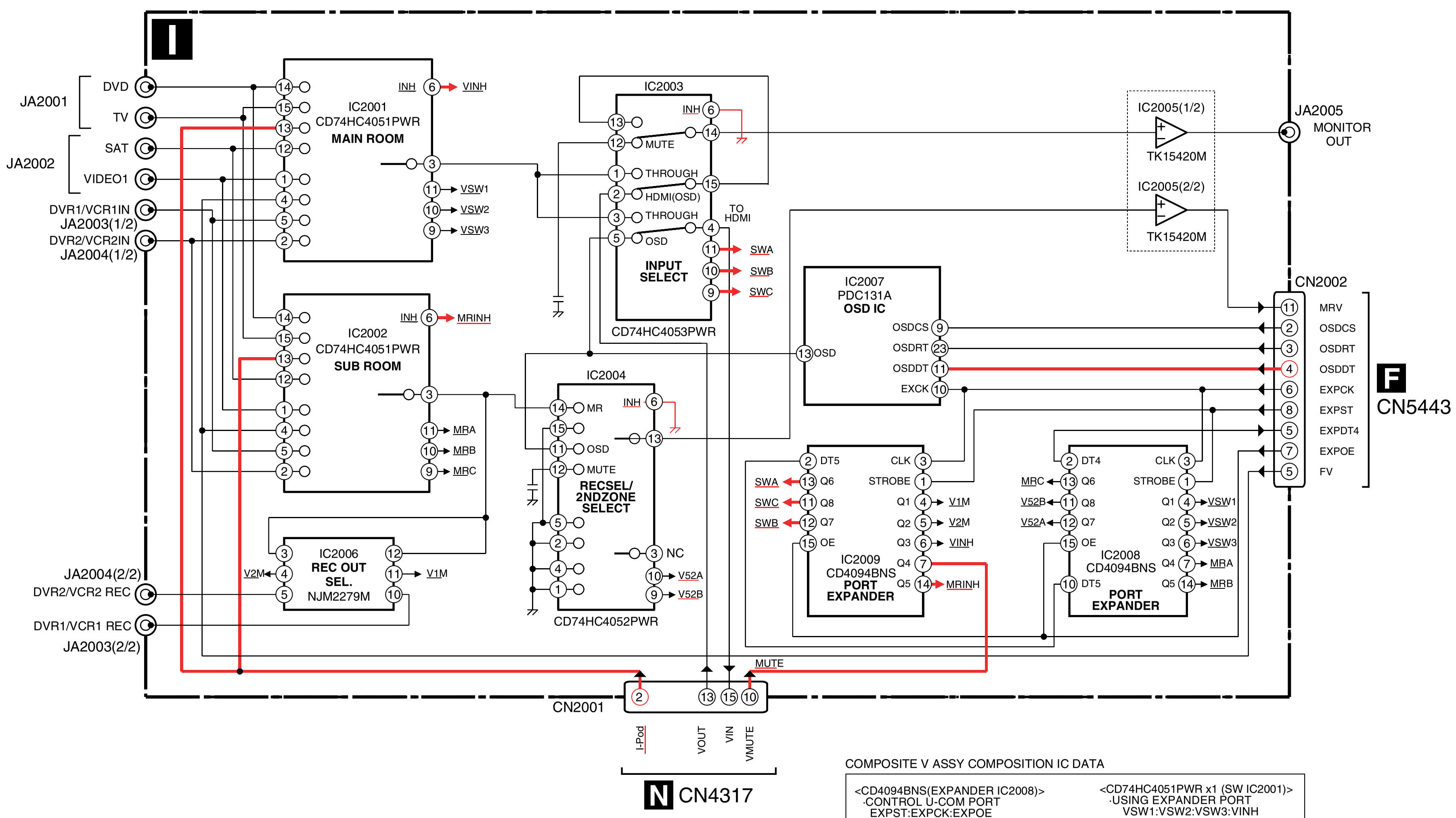
3.1 BLOCK DIAGRAM

3.1.1 OVERALL BLOCK DIAGRAM


CN101
HDMI IN 1
CN102
HDMI IN 2
CN301
HDMI OUT
AG
HDMI RECEIVER TRANSMITTER IC101/IC301
DVD-A
S/PDIF
VSX-74TXVi ONLY
JA201
i.LINK(S400)
JA202
i.LINK(S400)
AF
1394 PHY LINK IC201
AF
Rate Controller IC301
DVD-A
AF
DSD-LPCM Converter IC401
VSX-74TXVi ONLY
S/PDIF
JA261 USB
L
USB-S/PDIF IC261
L
SELECTOR IC304,IC305
AF
SELECTOR IC402,IC403,IC405
JA301
DIGITAL IN(COAX1)
DIGITAL IN(COAX2)
JA305 DIGITAL IN(OPT1)
JA304 DIGITAL IN(OPT2)
JA303 DIGITAL IN(OPT3)
JA302 DIGITAL IN(OPT4)
FRONT IN(OPT)
JA307 DIGITALOUT1(OPT)
JA306 DIGITALOUT2(OPT)
VSX-74TXVi ONLY
L
DIR & DIT 96k/24bit IC301
16
15
L
SELECTOR IC306-IC309
M
DSP1 DECODER PORT PROCESSING Floating 32bit IC101
IC309 : VSX-74TXVi ONLY
XM radio
L
XMDT IC281
A
IC6203
CN6205
PHONO
CD
CN6207 (1/2) CDR
JA6301
DVD
TV
CN6307
SAT
VIDEO1
CN6308(1/2) DVR1
CN6309(1/2) DVR2
AE
IC2932
CN2804 iPod
B IC6301
A IC6201
INPUT SELECTOR
L
A/D 96k/24bit IC482
L
ATT IC481
L
D/A & LPF IC951,IC952
(VSX-74TXVi ONLY)
VSX-74TXVi ONLY
K
IC2631
IC2636
CENTER
CN6207(2/2) CDR REC
CN6308(2/2), CN6309(2/2) DVR1,2 REC
CN6208
FL/FR
C/SW
CN6209
SL/SR
SBL/SBR
JA3451 MIC
C
IC3451


SACD DIRECT
PCM DIRECT
* MCACC
Multi Channel Acoustic
Calibration System
M
DSP2
AdvancedMCACC
PORT
PROCESSING
24bit or 48bit
(Double Precision)
IC201
L
SELECTOR
IC315,IC316
L
DAC
192k/24bit
192k/24bit
192k/24bit
192k/24bit
IC551,IC651,IC751,IC851
L
IC552,IC652,
IC752,IC852,
LPF
LPF
LPF
LPF
D
CN3551
HEAD PHONE
<<ANALOG PHANTOM>>
<<TRIM>>
<<MASTER VR>>
<<PRE AMP>>
<<POWER AMP>>
K
IC2637
K
IC2634
K
IC2633
K
IC2501
IC2525
K
IC2551
IC2639
IC2575
K
IC2638
Q
R
X
CN4001
FL/FR
CENTER
CN4002
SL/SR
SBL/SBR
(Flexible)
AE
CN2805
FL/FR
C/SW
SL/SR
SBL/SBR
CN2806
K
IC2641
VSX-74TXVi ONLY
K
IC2638
JA6301
Multi-Room & Source

3.1.2 COMPOSITE V BLOCK DIAGRAM


I
DVD
TV
JA2001
SAT
VIDEO1
JA2002
DVR1/VCR1IN
JA2003(1/2)
DVR2/VCR2IN
JA2004(1/2)
JA2004(2/2)
DVR2/VCR2 REC
DVR1/VCR1 REC
JA2003(2/2)
IC2001
CD74HC4051PWR
MAIN ROOM
INH
VINH
VSW1
VSW2
VSW3
IC2002
CD74HC4051PWR
SUB ROOM
MRINH
MRA
MRB
MRC
IC2006
REC OUT
SEL.
NJM2279M
V2M
V1M
IC2003
INH
MUTE
THROUGH
HDMI(OSD)
THROUGH
OSD
INPUT
SELECT
TO
HDMI
SWA
SWB
SWC
CD74HC4053PWR
IC2004
INH
MR
OSD
MUTE
RECSEL/
2NDZONE
SELECT
NC
V52A
V52B
CD74HC4052PWR
IC2007
PDC131A
OSD IC
OSDCS
OSDRT
OSDDT
EXCK
OSD
IC2009
CD4094BNS
PORT
EXPANDER
DT5
CLK
STROBE
Q6
Q8
Q7
OE
Q1
Q2
Q3
Q4
Q5
V1M
V2M
VINH
MRINH
IC2008
CD4094BNS
PORT
EXPANDER
DT4
DT5
MRC
V52B
V52A
VSW1
VSW2
VSW3
MRA
MRB
IC2005(1/2)
TK15420M
IC2005(2/2)
TK15420M
JA2005
MONITOR
OUT
CN2002
MRV
OSDCS
OSDRT
OSDDT
EXPCK
EXPST
EXPDT4
EXPOE
FV
F
CN5443
MUTE
CN2001
I-Pod
VOUT
VIN
VMUTE
N
CN4317

COMPOSITE V ASSY COMPOSITION IC DATA

<CD4094BNS(EXPANDER IC2008)>
·CONTROL U-COM PORT
EXPST:EXPCK:EXPOE
INPUT DATA NAME:DT4
OUTPUT DATA NAME:DT5
·EXPANDER PORT NAME
Q1:VSW1/Q2:VSW2/Q3:VSW3/Q4:MRA
Q5:MRB/Q6:MRC/Q7:V52A/Q8:V52B

<CD4094BNS(EXPANDER IC2009)>
·CONTROL U-COM PORT
EXPST:EXPCK:EXPOE
INPUT DATA NAME:DT5
OUTPUT DATA NAME:---
·EXPANDER PORT NAME
Q1:V1M/Q2:V2M/Q3:VINH/Q4:MUTE
Q5:MRINH/Q6:SWA/Q7:SWB/Q8:SWC

<CD74HC4051PWR x1 (SW IC2001)>
·USING EXPANDER PORT
VSW1:VSW2:VSW3:VINH

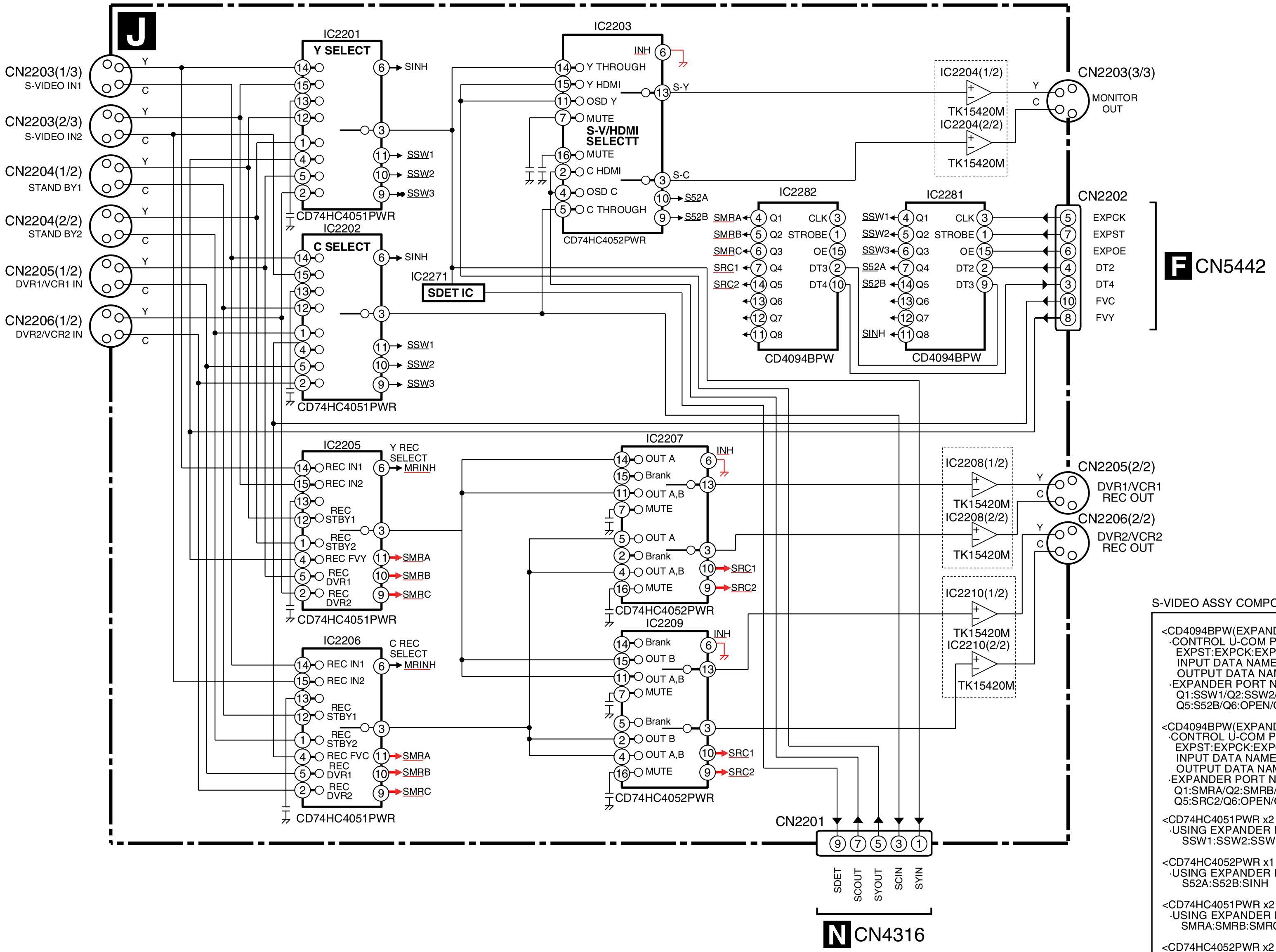
<CD74HC4051PWR x1 (SW IC2002)>
·USING EXPANDER PORT
MRA:MRB:MRC:MRINH

<CD74HC4053PWR x1 (SW IC2003)>
·USING EXPANDER PORT
SWA:SWB:SWC:VINH

<CD74HC4052PWR x1 (SW IC2004)>
·USING EXPANDER PORT
V52A:V52B:MRINH

<NJM2279M (RECOUT SEL IC)>
·USING EXPANDER PORT
V1M:V2M

3.1.3 S-VIDEO BLOCK DIAGRAM


J
CN2203(1/3) S-VIDEO IN1
CN2203(2/3) S-VIDEO IN2
CN2204(1/2) STAND BY1
CN2204(2/2) STAND BY2
CN2205(1/2) DVR1/VCR1 IN
CN2206(1/2) DVR2/VCR2 IN
Y
C
IC2201
Y SELECT
CD74HC4051PWR
IC2202
C SELECT
CD74HC4051PWR
SINH
SSW1
SSW2
SSW3
IC2271
SDET IC
IC2203
INH
Y THROUGH
Y HDMI
OSD Y
MUTE
S-V/HDMI SELECTT
MUTE
C HDMI
OSD C
C THROUGH
S-Y
S-C
S52A
S52B
CD74HC4052PWR
IC2282
SMRA
SMRB
SMRC
SRC1
SRC2
Q1
Q2
Q3
Q4
Q5
Q6
Q7
Q8
CLK
STROBE
OE
DT3
DT4
CD4094BPW
IC2281
SSW1
SSW2
SSW3
S52A
S52B
SINH
CLK
STROBE
OE
DT2
DT3
CD4094BPW
IC2204(1/2)
TK15420M
IC2204(2/2)
TK15420M
CN2203(3/3)
MONITOR OUT
CN2202
EXPCK
EXPST
EXPOE
DT2
DT4
DT3
FVC
FVY
F CN5442
IC2205
Y REC SELECT
MRINH
REC IN1
REC IN2
REC STBY1
REC STBY2
REC FVY
REC DVR1
REC DVR2
SMRA
SMRB
SMRC
CD74HC4051PWR
IC2206
C REC SELECT
MRINH
REC IN1
REC IN2
REC STBY1
REC STBY2
REC FVC
REC DVR1
REC DVR2
SMRA
SMRB
SMRC
CD74HC4051PWR
IC2207
INH
OUT A
Brank
OUT A,B
MUTE
OUT A
Brank
OUT A,B
MUTE
SRC1
SRC2
CD74HC4052PWR
IC2209
INH
Brank
OUT B
OUT A,B
MUTE
Brank
OUT B
OUT A,B
MUTE
SRC1
SRC2
CD74HC4052PWR
IC2208(1/2)
TK15420M
IC2208(2/2)
TK15420M
IC2210(1/2)
TK15420M
IC2210(2/2)
TK15420M
CN2205(2/2)
DVR1/VCR1 REC OUT
CN2206(2/2)
DVR2/VCR2 REC OUT
CN2201
SDET
SCOUT
SYOUT
SCIN
SYIN
N CN4316

S-VIDEO ASSY COMPOSITION IC DATA

<CD4094BPW(EXPANDER IC2281)>
·CONTROL U-COM PORT
EXPST:EXPCK:EXPOE
INPUT DATA NAME:DT2
OUTPUT DATA NAME:DT3
·EXPANDER PORT NAME
Q1:SSW1/Q2:SSW2/Q3:SSW3/Q4:S52A
Q5:S52B/Q6:OPEN/Q7:OPEN/Q8:SINH

<CD4094BPW(EXPANDER IC2282)>
·CONTROL U-COM PORT
EXPST:EXPCK:EXPOE
INPUT DATA NAME:DT3
OUTPUT DATA NAME:DT3
·EXPANDER PORT NAME
Q1:SMRA/Q2:SMRB/Q3:SMRC/Q4:SRC1
Q5:SRC2/Q6:OPEN/Q7:OPEN/Q8OPEN

<CD74HC4051PWR x2 (SW IC2201, IC2202)>
·USING EXPANDER PORT
SSW1:SSW2:SSW3:SINH

<CD74HC4052PWR x1 (SW IC2203)>
·USING EXPANDER PORT
S52A:S52B:SINH

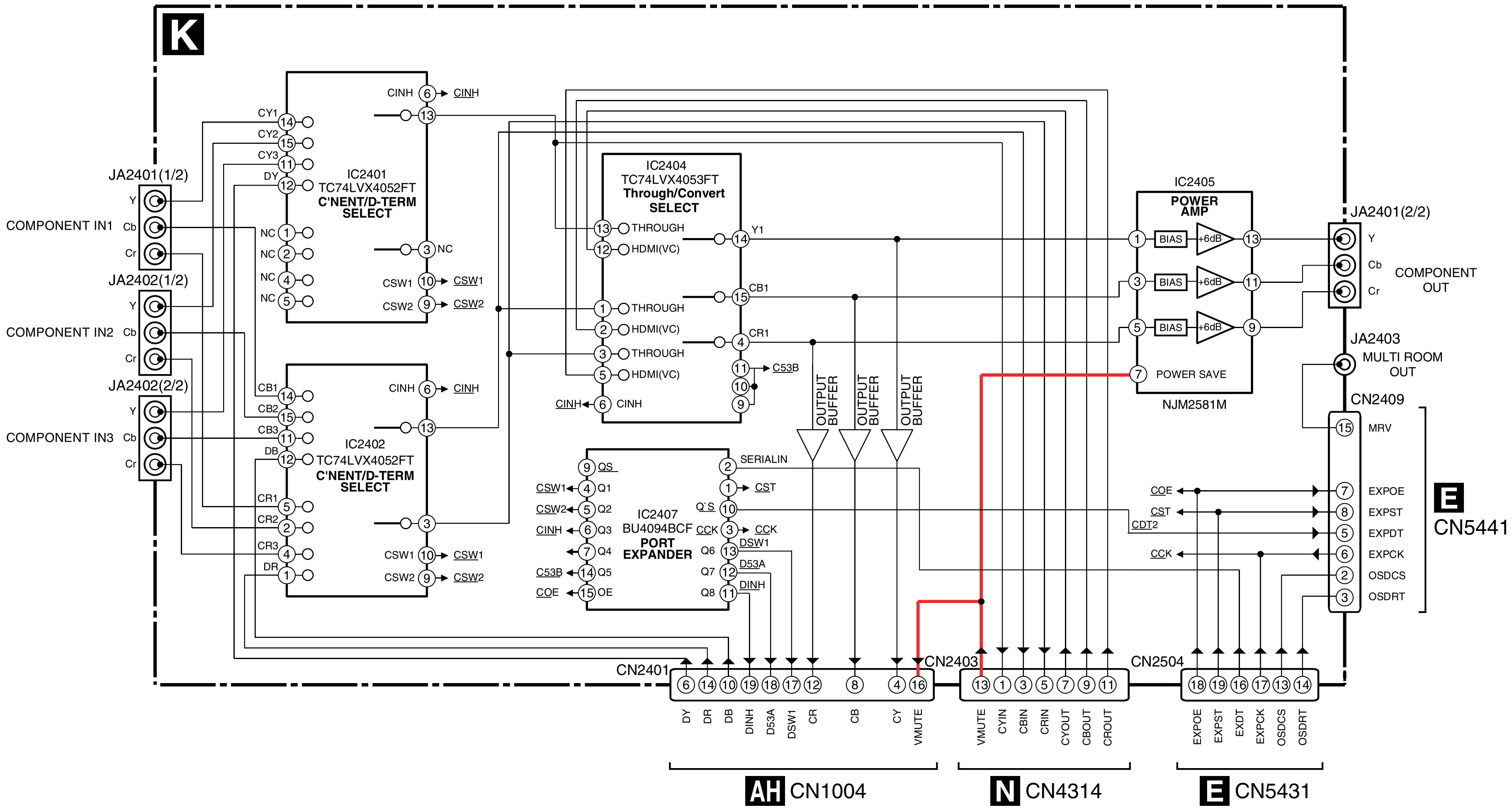
<CD74HC4051PWR x2 (SW IC2205, IC2206)>
·USING EXPANDER PORT
SMRA:SMRB:SMRC:MRINH

<CD74HC4052PWR x2 (SW IC2207, IC2209)>
·USING EXPANDER PORT
SRC1:SRC2:MRINH

<LA2205 (SDET IC2205)>
·OUTPUT DATA NAME
SDET

MRINH connect the signal line from the Port expander of COMPOSITE V ASSY.

3.1.4 COMPONENT &VOL BLOCK DIAGRAM


K
COMPONENT IN1
COMPONENT IN2
COMPONENT IN3
JA2401(1/2)
JA2402(1/2)
JA2402(2/2)
Y
Cb
Cr
IC2401
TC74LVX4052FT
C'NENT/D-TERM
SELECT
CY1
CY2
CY3
DY
NC
CINH
CSW1
CSW2
IC2402
TC74LVX4052FT
C'NENT/D-TERM
SELECT
CB1
CB2
CB3
DB
CR1
CR2
CR3
DR
IC2404
TC74LVX4053FT
Through/Convert
SELECT
THROUGH
HDMI(VC)
Y1
CB1
CR1
C53B
IC2407
BU4094BCF
PORT
EXPANDER
QS
Q1
Q2
Q3
Q4
Q5
OE
Q'S
CCK
Q6
Q7
Q8
SERIALIN
CST
DSW1
D53A
DINH
COE
OUTPUT BUFFER
OUTPUT BUFFER
OUTPUT BUFFER
IC2405
POWER AMP
BIAS
+6dB
POWER SAVE
NJM2581M
JA2401(2/2)
COMPONENT OUT
JA2403
MULTI ROOM OUT
CN2409
MRV
EXPOE
EXPST
EXPDT
EXPCK
OSDCS
OSDRT
E
CN5441
CDT2
CN2401
CN2403
CN2504
DY
DR
DB
DINH
D53A
DSW1
CR
CB
CY
VMUTE
VMUTE
CYIN
CBIN
CRIN
CYOUT
CBOUT
CROUT
EXPOE
EXPST
EXDT
EXPCK
OSDCS
OSDRT
AH CN1004
N CN4314
E CN5431

COMPONENT & VOL ASSY COMPOSITION IC DATA

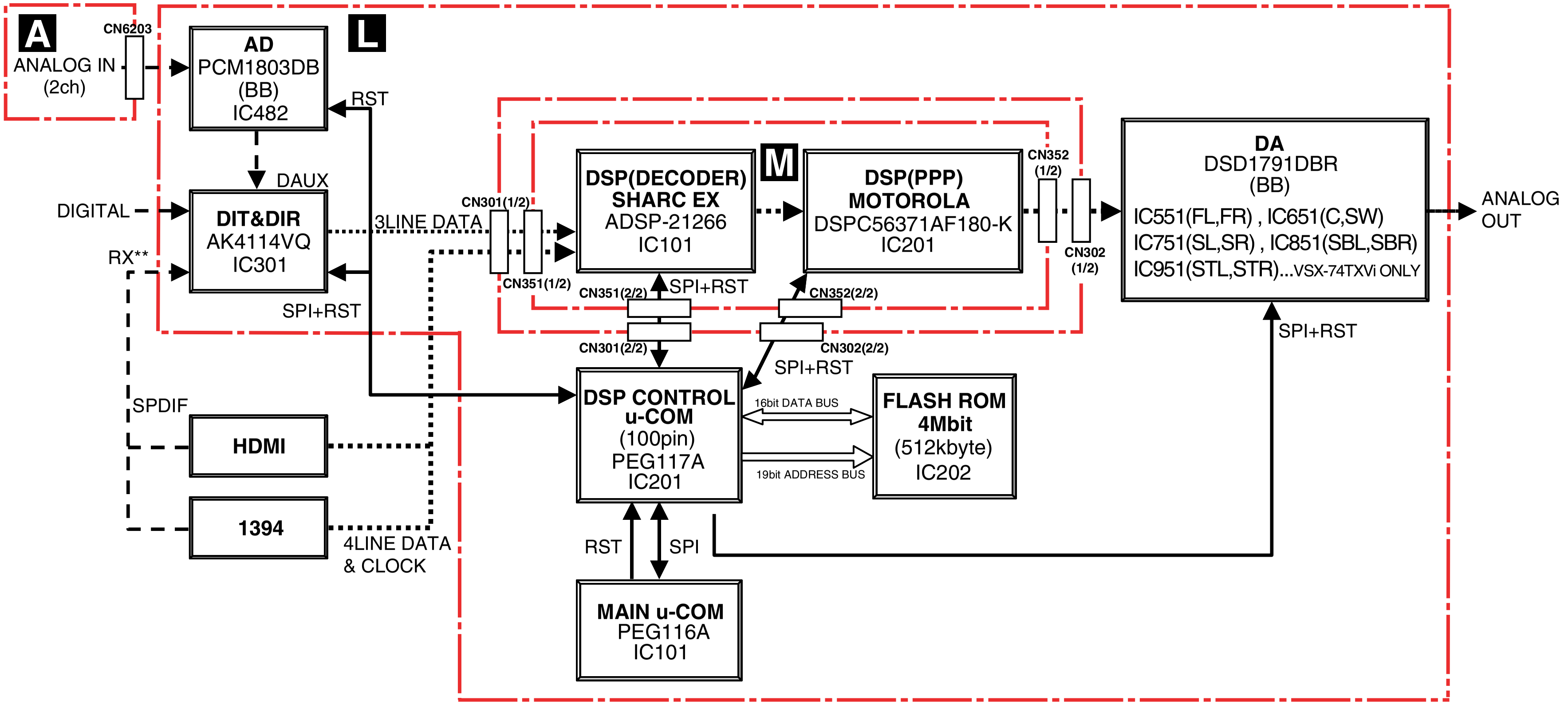
<BU4094BCF(EXPANDER IC2407)>
·CONTROL U-COM PORT
EXPST:EXPCK:EXPOE
INPUT DATA NAME:EXDT
OUTPUT DATA NAME:DT2
·EXPANDER PORT NAME
Q1:CSW1/Q2:CSW2/Q3:CINH/Q4:XMSB
Q5:C53B/Q6:DSW1/Q7:D53A/Q8:DINH

<TC74LVX4052FT x2 (SW IC2401, IC2402)>
·USING EXPANDER PORT
CSW1:CSW2:CINH

<TC74LVX4053FT x1 (SW IC2404)>
·USING EXPANDER PORT
C53B:CINH

<NJM2581M x1 (V-AMP IC2405)>
·CONTROL U-COM PORT
VMUTE

3.1.5 DSP BLOCK DIAGRAM


A
ANALOG IN
(2ch)
CN6203
L
AD
PCM1803DB
(BB)
IC482
RST
DAUX
DIGITAL
RX**
DIT&DIR
AK4114VQ
IC301
SPI+RST
3LINE DATA
SPDIF
HDMI
1394
4LINE DATA
& CLOCK
CN301(1/2)
CN351(1/2)
M
DSP(DECODER)
SHARC EX
ADSP-21266
IC101
CN351(2/2)
SPI+RST
CN301(2/2)
DSP(PPP)
MOTOROLA
DSPC56371AF180-K
IC201
CN352(2/2)
CN302(2/2)
SPI+RST
CN352
(1/2)
CN302
(1/2)
DSP CONTROL
u-COM
(100pin)
PEG117A
IC201
16bit DATA BUS
19bit ADDRESS BUS
FLASH ROM
4Mbit
(512kbyte)
IC202
RST
SPI
MAIN u-COM
PEG116A
IC101
DA
DSD1791DBR
(BB)
IC551(FL,FR) , IC651(C,SW)
IC751(SL,SR) , IC851(SBL,SBR)
IC951(STL,STR)...VSX-74TXVi ONLY
SPI+RST
ANALOG
OUT

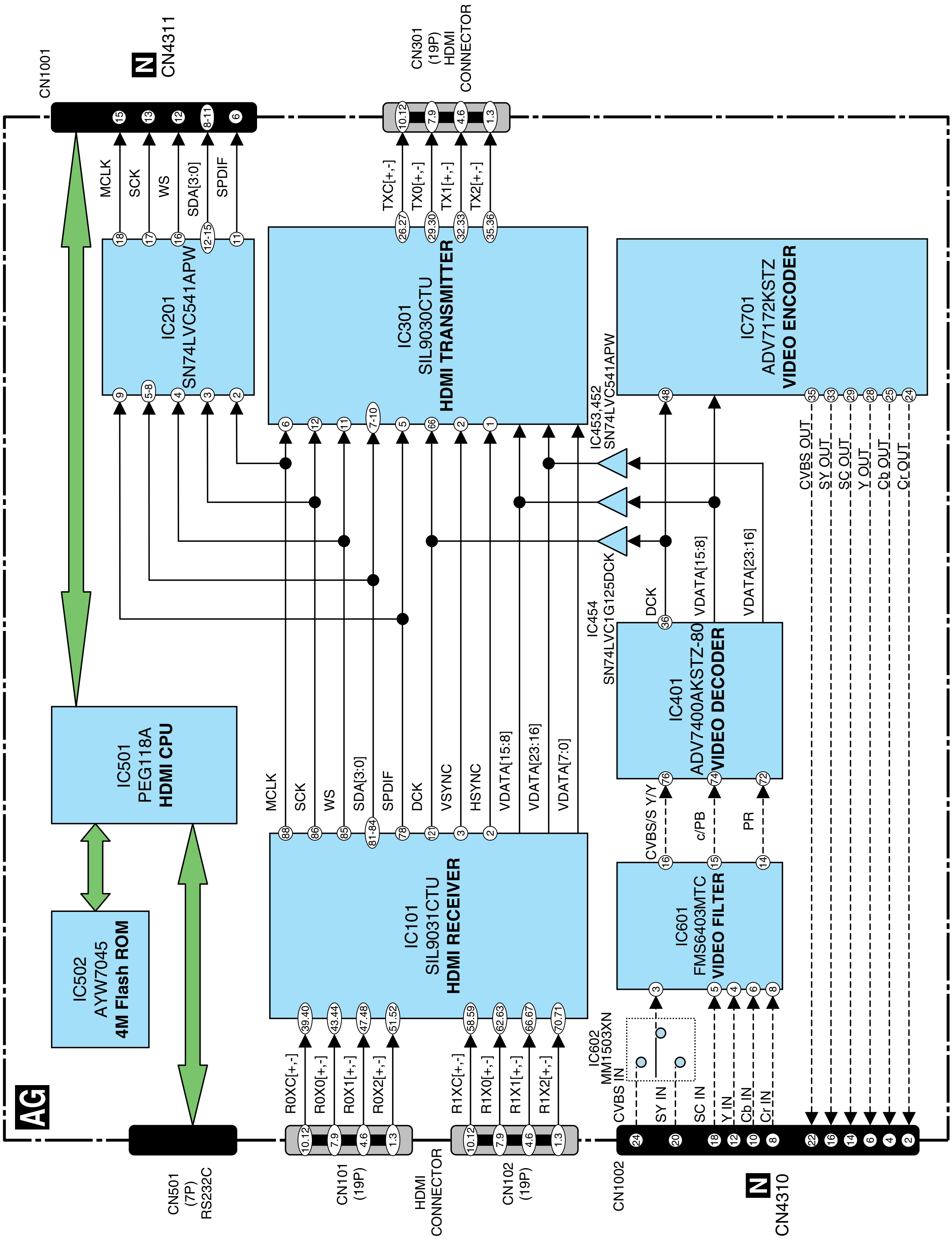
1.Description of Device ICs

IC No	IC Name	Description of function
IC 482	A/D Converter	Converts signals from an analog source into digital signals.
IC 301	Digital Audio Interface Transceiver & Receiver	Selecting digital data.
IC 101	DSP	Decoder for compressed sound such as AC-3 and DTS.
IC 201	DSP	P Company's original processor such as SFC.
IC 201	DSP Microcomputer } set	DSP Control / DIR Control / A/D,D/A Control
IC 202	FLASH ROM }	DSP Microcomputer programs are stored in the flash rom.
IC 551,651,751, 851,951	D/A Converter	Converts digital signals into analog signals.

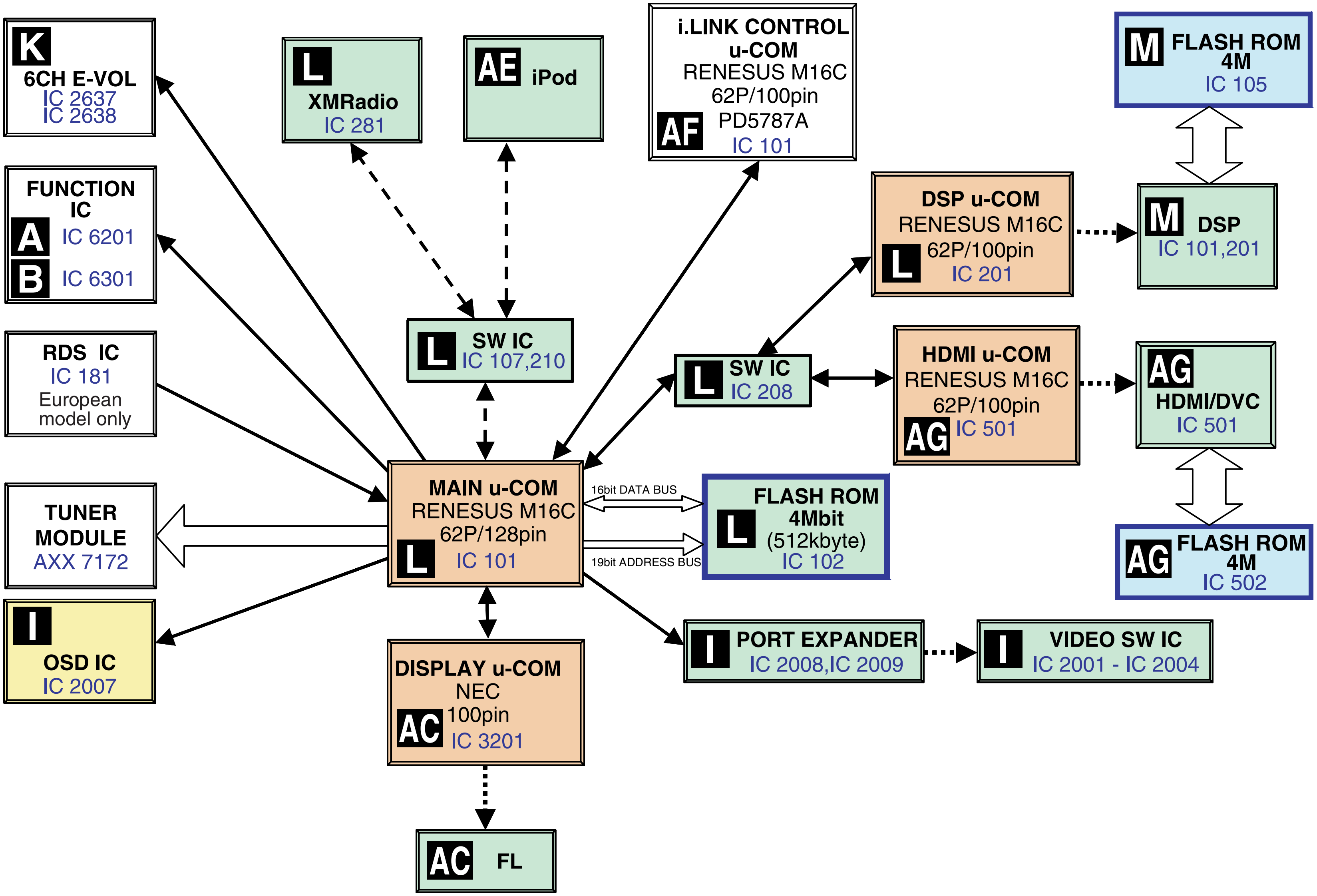
2.Description of Abbreviated Names

Signal name	Formal signal name	Description of signals
SPI	SONY/Philips Digital Interface	Consumer format used for exchanging digital audio signals.
RST	RESET	Reset signal.
PPP	Post Processing Phase	Denotes DSP processing (P Company's original surround processing), which are executed at the latter part of a decoder area.

3.1.6 HDMI & DVC BLOCK DIAGRAM

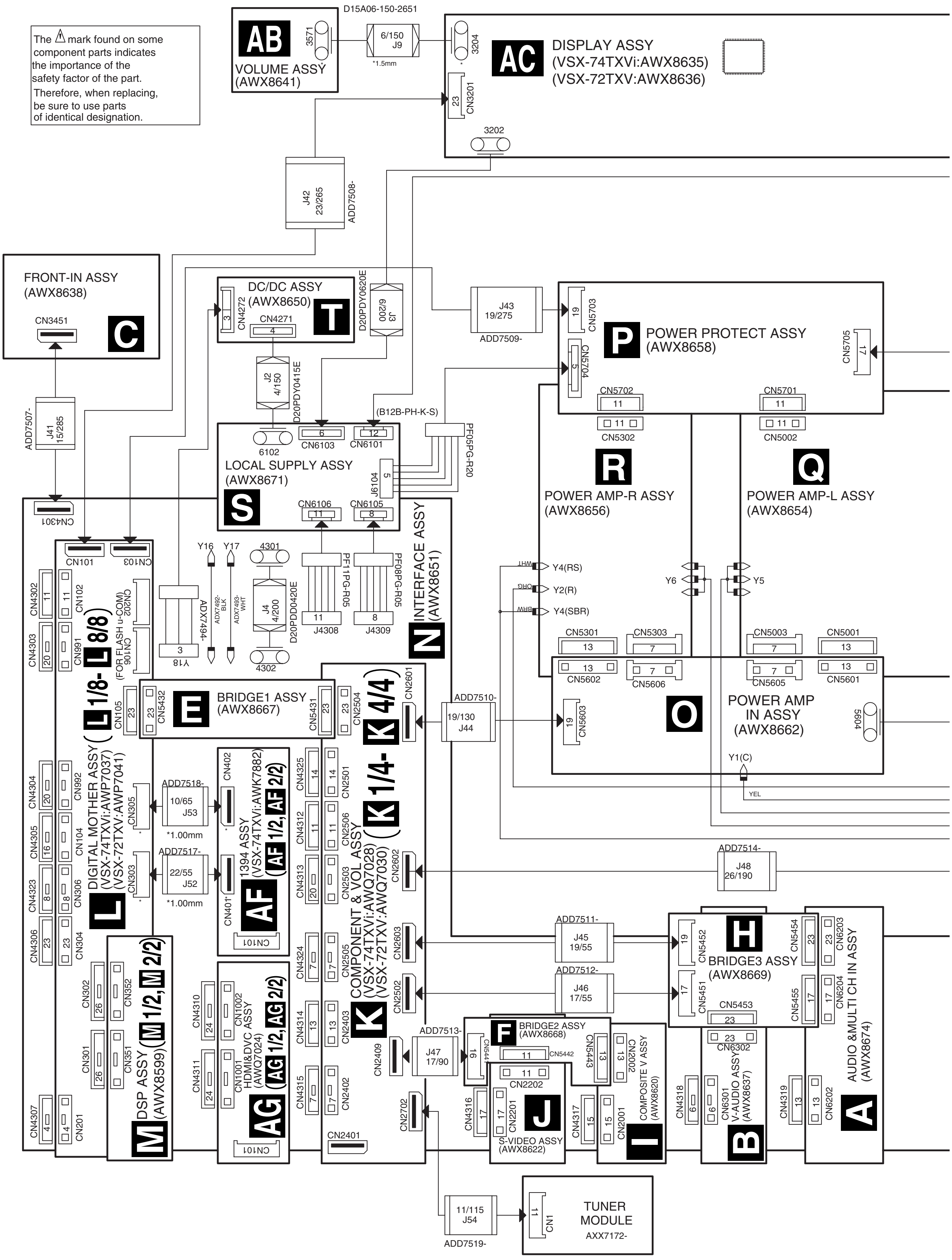

A
B
C
D
E
F
CN1001
N CN4311
15 13 12 8-11 6
MCLK
SCK
WS
SDA[3:0]
SPDIF
18 17 16 12-15 11
IC201
SN74LVC541APW
9 5-8 4 3 2
CN301 (19P) HDMI CONNECTOR
10.12 7.9 4.6 1.3
TXC[+,-]
TX0[+,-]
TX1[+,-]
TX2[+,-]
26.27 29.30 32.33 35.36
IC301
SIL9030CTU
HDMI TRANSMITTER
6 12 11 7-10 5 66 2 1
IC701
ADV7172KSTZ
VIDEO ENCODER
48
35 33 29 28 25 24
CVBS OUT
SY OUT
SC OUT
Y OUT
Cb OUT
Cr OUT
IC453,452
SN74LVC541APW
IC454
SN74LVC1G125DCK
DCK
VDATA[15:8]
VDATA[23:16]
36
IC401
ADV7400AKSTZ-80
VIDEO DECODER
76 74 72
CVBS/S Y/Y
c/PB
PR
16 15 14
IC601
FMS6403MTC
VIDEO FILTER
3 5 4 6 8
IC602
MM1503XN
IC501
PEG118A
HDMI CPU
IC502
AYW7045
4M Flash ROM
MCLK
SCK
WS
SDA[3:0]
SPDIF
DCK
VSYNC
HSYNC
VDATA[15:8]
VDATA[23:16]
VDATA[7:0]
88 86 85 81-84 78 121 3 2
IC101
SIL9031CTU
HDMI RECEIVER
39.40 43.44 47.48 51.52 58.59 62.63 66.67 70.71
R0XC[+,-]
R0X0[+,-]
R0X1[+,-]
R0X2[+,-]
R1XC[+,-]
R1X0[+,-]
R1X1[+,-]
R1X2[+,-]
AG
CN501 (7P) RS232C
10.12 7.9 4.6 1.3
CN101 (19P)
HDMI CONNECTOR
10.12 7.9 4.6 1.3
CN102 (19P)
CVBS IN
SY IN
SC IN
Y IN
Cb IN
Cr IN
24 20 18 12 10 8 22 16 14 6 4 2
CN1002
N CN4310

3.1.7 MICROCOMPUTER BLOCK DIAGRAM


K
6CH E-VOL
IC 2637
IC 2638
FUNCTION IC
A IC 6201
B IC 6301
RDS IC
IC 181
European model only
TUNER MODULE
AXX 7172
I
OSD IC
IC 2007
L
XMRadio
IC 281
AE iPod
L SW IC
IC 107,210
i.LINK CONTROL u-COM
RENESUS M16C
62P/100pin
AF PD5787A
IC 101
MAIN u-COM
RENESUS M16C
62P/128pin
L IC 101
DISPLAY u-COM
NEC
AC 100pin
IC 3201
AC FL
16bit DATA BUS
19bit ADDRESS BUS
FLASH ROM
L 4Mbit
(512kbyte)
IC 102
L SW IC
IC 208
DSP u-COM
RENESUS M16C
L 62P/100pin
IC 201
HDMI u-COM
RENESUS M16C
62P/100pin
AG IC 501
M FLASH ROM
4M
IC 105
M DSP
IC 101,201
AG
HDMI/DVC
IC 501
AG FLASH ROM
4M
IC 502
I PORT EXPANDER
IC 2008,IC 2009
I VIDEO SW IC
IC 2001 - IC 2004

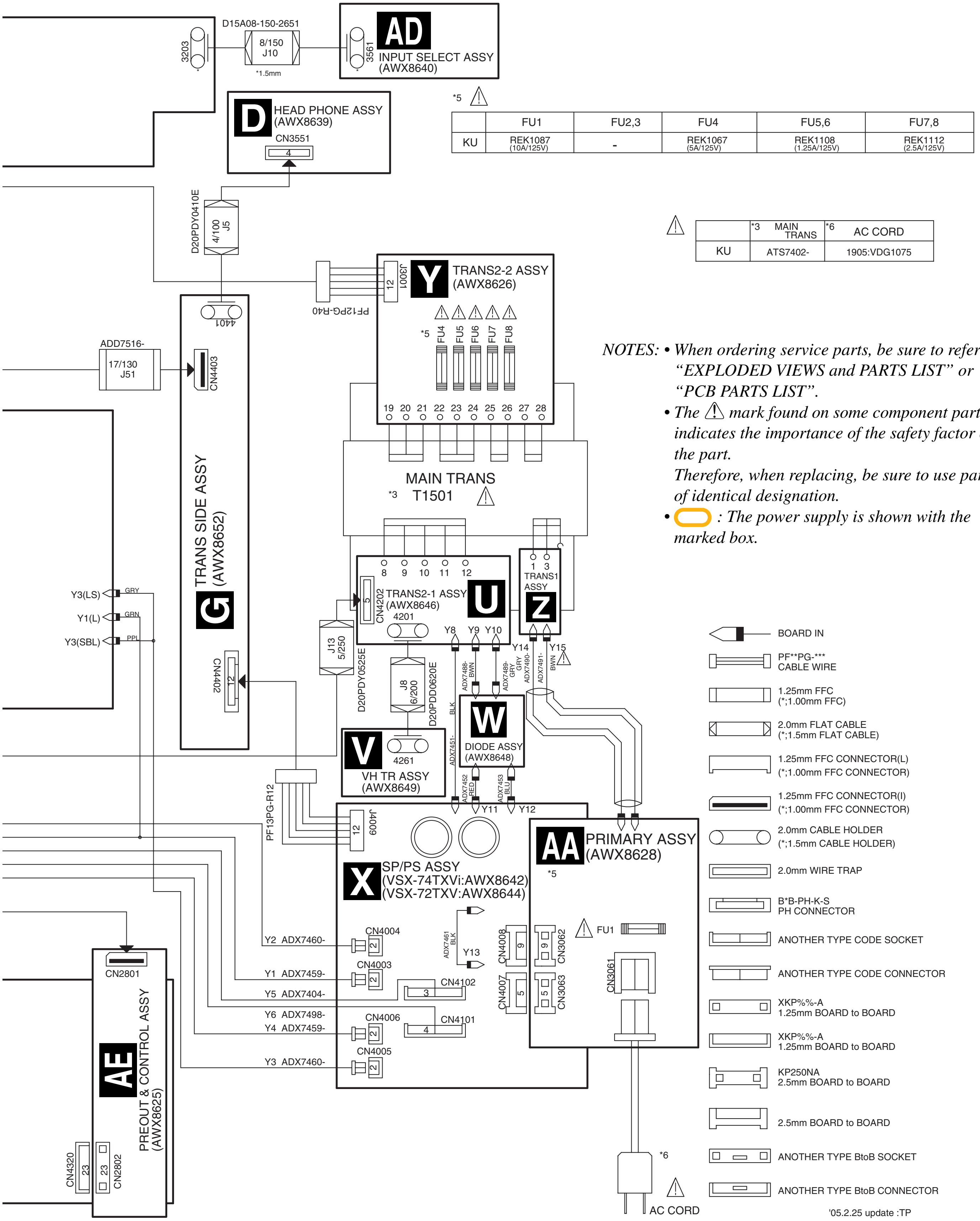
IC NAME	IC NO	MAIN FUNCTION
MAIN u-COM	IC101	SYSTEM CONTROL(AMP,ICs,XM,iPod,RS232C,OSD,TUNER,RDS)
DISPLAY u-COM	IC3201	FL,LED,KEY CONTROL
HDMI u-COM	IC501	HDMI TX,RX CONTROL / DVC CONTROL
DSP u-COM	IC201	DSP CONTROL / DIR CONTROL / A/D,D/A CONTROL
iLINK CONTROL u-COM	IC101	iLINK(1394) CONTROL

3.2 OVERALL WIRING CONNECTION DIAGRAM



The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

A
B
C
D
E
F
AB
VOLUME ASSY
(AWX8641)
3571
D15A06-150-2651
6/150
J9
*1.5mm
3204
AC
DISPLAY ASSY
(VSX-74TXVi:AWX8635)
(VSX-72TXV:AWX8636)
23
CN3201
3202
J42
23/265
ADD7508-
FRONT-IN ASSY
(AWX8638)
CN3451
C
ADD7507-
J41
15/285
DC/DC ASSY
(AWX8650)
T
3
CN4272
CN4271
4
D20PDY0620E
J3
6/200
J2
4/150
D20PDY0415E
J43
19/275
ADD7509-
19
CN5703
P
POWER PROTECT ASSY
(AWX8658)
5
CN5704
CN5705
17
CN5702
11
CN5701
11
11
CN5302
11
CN5002
(B12B-PH-K-S)
6
CN6103
12
CN6101
6102
PF05PG-R20
LOCAL SUPPLY ASSY
(AWX8671)
5
J6104
S
CN6106
11
CN6105
8
R
POWER AMP-R ASSY
(AWX8656)
Q
POWER AMP-L ASSY
(AWX8654)
CN4301
CN101
CN103
Y16
Y17
4301
PF11PG-R05
PF08PG-R05
INTERFACE ASSY
(AWX8651)
N
WHT
Y4(RS)
ORG
Y2(R)
BRW
Y4(SBR)
Y6
Y5
CN4302
11
11
CN102
CN202
(FOR FLASH u-COM)
CN106
ADX7494-
ADX7492-BLK
ADX7493-WHT
J4
4/200
D20PDD0420E
11
J4308
8
J4309
CN5301
13
CN5303
7
CN5003
7
CN5001
13
CN4303
20
CN991
3
Y18
4302
13
CN5602
7
CN5606
7
CN5605
13
CN5601
L 1/8- L 8/8
23
CN105
23
CN5432
E
BRIDGE1 ASSY
(AWX8667)
CN5431
23
23
CN2504
CN2601
K 1/4- K 4/4
ADD7510-
19/130
J44
19
CN5603
O
POWER AMP IN ASSY
(AWX8662)
5604
Y1(C)
YEL
CN4304
20
CN992
DIGITAL MOTHER ASSY
(VSX-74TXVi:AWP7037)
(VSX-72TXV:AWP7041)
CN305
ADD7518-
10/65
J53
*1.00mm
CN402
1394 ASSY
(VSX-74TXVi:AWK7882)
AF 1/2, AF 2/2
CN4325
14
14
CN2501
CN4305
16
CN104
ADD7517-
22/55
J52
*1.00mm
CN303
CN4312
11
11
CN2506
COMPONENT & VOL ASSY
(VSX-74TXVi:AWQ7028)
(VSX-72TXV:AWQ7030)
ADD7514-
J48
26/190
CN2602
CN4323
8
8
CN306
L
CN401
AF
CN101
CN4313
20
CN2503
CN4306
23
23
CN304
DSP ASSY
(AWX8599)
M 1/2, M 2/2
M
CN302
26
CN352
CN301
26
CN351
CN4310
24
CN1002
HDMI&DVC ASSY
(AWQ7024)
AG 1/2, AG 2/2
CN4311
24
CN1001
AG
CN101
CN4324
7
7
CN2505
CN2603
ADD7511-
J45
19/55
19
CN5452
H
BRIDGE3 ASSY
(AWX8669)
CN5454
23
23
CN6203
AUDIO &MULTI CH IN ASSY
(AWX8674)
ADD7512-
J46
17/55
CN2502
17
CN5451
CN5453
23
CN5455
17
17
CN6204
CN4314
13
13
CN2403
K
ADD7513-
J47
17/90
CN2409
16
CN5441
F
BRIDGE2 ASSY
(AWX8668)
11
CN5442
CN5443
13
13
CN2002
COMPOSITE V ASSY
(AWX8620)
23
CN6302
CN4315
7
7
CN2402
CN2702
11
CN2202
CN4316
17
17
CN2201
J
S-VIDEO ASSY
(AWX8622)
CN4317
15
15
CN2001
I
CN4318
6
6
CN6301
V-AUDIO ASSY
(AWX8637)
B
CN4319
13
13
CN6202
A
CN4307
4
4
CN201
CN2401
11/115
J54
ADD7519-
11
CN1
TUNER MODULE
AXX7172-


3203
D15A08-150-2651
8/150
J10
*1.5mm
AD
3561
INPUT SELECT ASSY
(AWX8640)
D
HEAD PHONE ASSY
(AWX8639)
CN3551
4
D20PDY0410E
4/100
J5
Y
J3001
12
TRANS2-2 ASSY
(AWX8626)
PF12PG-R40
*5
FU4
FU5
FU6
FU7
FU8
19 20 21 22 23 24 25 26 27 28
MAIN TRANS
*3 T1501
ADD7516-
17/130
J51
CN4403
4401
G
TRANS SIDE ASSY
(AWX8652)
CN4402
12
Y3(LS)
Y1(L)
Y3(SBL)
GRY
GRN
PPL
8 9 10 11 12
CN4202
5
TRANS2-1 ASSY
(AWX8646)
4201
U
Y8 Y9 Y10
1 3
TRANS1
ASSY
Z
Y14
Y15
J13
5/250
D20PDY0525E
J8
6/200
D20PDD0620E
ADX7488-
BWN
ADX7489-
GRY
ADX7490-
GRY
ADX7491-
BWN
BLK
W
DIODE ASSY
(AWX8648)
V
4261
VH TR ASSY
(AWX8649)
ADX7451-
ADX7452
RED
ADX7453
BLU
Y11
Y12
PF13PG-R12
J4009
12
X
SP/PS ASSY
(VSX-74TXVi:AWX8642)
(VSX-72TXV:AWX8644)
Y2 ADX7460-
CN4004
2
Y1 ADX7459-
CN4003
2
Y5 ADX7404-
CN4102
3
Y6 ADX7498-
Y4 ADX7459-
CN4006
2
CN4101
4
CN4005
Y3 ADX7460-
2
ADX7461
BLK
Y13
CN4008
6
CN4007
5
AA
PRIMARY ASSY
(AWX8628)
*5
FU1
CN3062
6
CN3063
5
CN3061
*6
AC CORD
CN2801
AE
PREOUT & CONTROL ASSY
(AWX8625)
CN4320
23
23
CN2802
BOARD IN
PF**PG-***
CABLE WIRE
1.25mm FFC
(*;1.00mm FFC)
2.0mm FLAT CABLE
(*;1.5mm FLAT CABLE)
1.25mm FFC CONNECTOR(L)
(*;1.00mm FFC CONNECTOR)
1.25mm FFC CONNECTOR(I)
(*;1.00mm FFC CONNECTOR)
2.0mm CABLE HOLDER
(*;1.5mm CABLE HOLDER)
2.0mm WIRE TRAP
B*B-PH-K-S
PH CONNECTOR
ANOTHER TYPE CODE SOCKET
ANOTHER TYPE CODE CONNECTOR
XKP%%-A
1.25mm BOARD to BOARD
XKP%%-A
1.25mm BOARD to BOARD
KP250NA
2.5mm BOARD to BOARD
2.5mm BOARD to BOARD
ANOTHER TYPE BtoB SOCKET
ANOTHER TYPE BtoB CONNECTOR

*5 ⚠

	FU1	FU2,3	FU4	FU5,6	FU7,8
KU	REK1087 (10A/125V)	-	REK1067 (5A/125V)	REK1108 (1.25A/125V)	REK1112 (2.5A/125V)

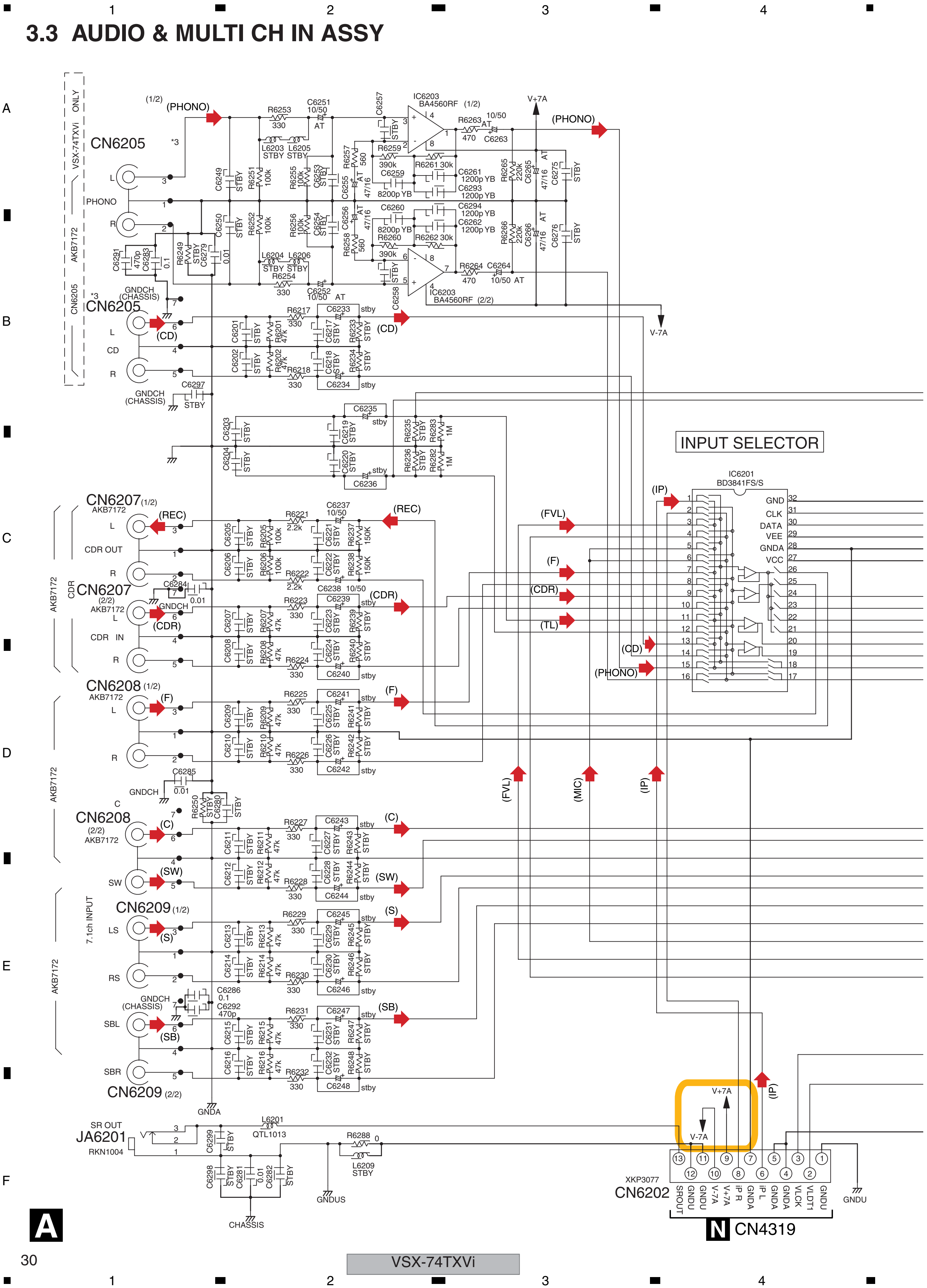
⚠

	*3 MAIN TRANS	*6 AC CORD
KU	ATS7402-	1905:VDG1075

NOTES: - *When ordering service parts, be sure to refer to "EXPLODED VIEWS and PARTS LIST" or "PCB PARTS LIST".*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part.*
  Therefore, when replacing, be sure to use parts of identical designation.
- ⬭ *: The power supply is shown with the marked box.*

'05.2.25 update :TP

3.3 AUDIO & MULTI CH IN ASSY

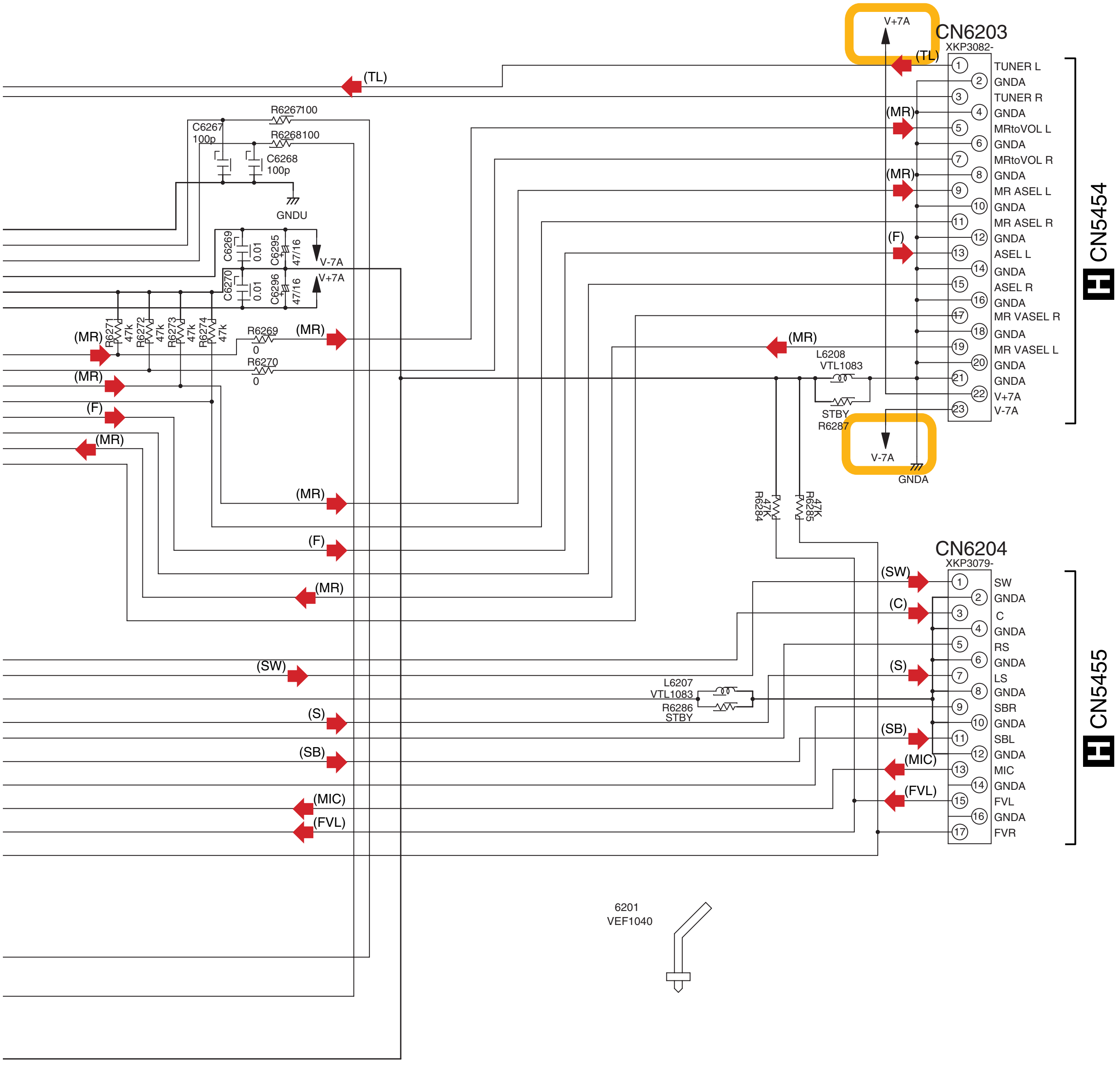


1
2
3
4
A
B
C
D
E
F
VSX-74TXVi ONLY
CN6205
*3
(1/2)
(PHONO)
L
R
PHONO
AKB7172
GNDCH (CHASSIS)
(CD)
CD
IC6203 BA4560RF (1/2)
IC6203 BA4560RF (2/2)
V+7A
V-7A
R6253 330
C6251 10/50 AT
C6257
L6203 STBY
L6205 STBY
R6259 390k
C6259 8200p YB
R6261 30k
R6263 470
C6263 10/50 AT
C6261 1200p YB
C6293 1200p YB
C6294 1200p YB
C6262 1200p YB
C6260 8200p YB
R6260 390k
R6262 30k
R6264 470
C6264 10/50 AT
R6265 220k
R6266 220k
C6265 47/16 AT
C6266 47/16 AT
C6275 STBY
C6276 STBY
R6257 560
R6258 560
C6255 47/16 AT
C6256 47/16 AT
C6249 STBY
C6250 STBY
R6251 100k
R6252 100k
R6255 100k
R6256 100k
C6253 STBY
C6254 STBY
L6204 STBY
L6206 STBY
R6254 330
C6252 10/50 AT
C6258 STBY
C6291 470p
C6283 0.1
R6249 STBY
C6279 0.01
R6217 330
C6233 stby
C6201 STBY
R6201 47k
C6217 STBY
R6233 STBY
C6202 STBY
R6202 47k
R6218 330
C6218 STBY
R6234 STBY
C6234 stby
C6297 STBY
C6235 stby
C6203 STBY
C6219 STBY
R6235 STBY
R6283 1M
C6204 STBY
C6220 STBY
R6236 STBY
R6282 1M
C6236 stby
INPUT SELECTOR
IC6201 BD3841FS/S
GND
CLK
DATA
VEE
GNDA
VCC
(IP)
(FVL)
(F)
(CDR)
(TL)
(CD)
(PHONO)
CN6207 (1/2) AKB7172
(REC)
CDR OUT
CN6207 (2/2) AKB7172
CDR
C6284 0.01
GNDCH
(CDR)
CDR IN
R6221 2.2k
C6237 10/50
C6205 STBY
R6205 100k
C6221 STBY
R6237 150K
C6206 STBY
R6206 100k
R6222 2.2k
C6222 STBY
R6238 150K
C6238 10/50
R6223 330
C6239 stby
C6207 STBY
R6207 47k
C6223 STBY
R6239 STBY
C6208 STBY
R6208 47k
R6224 330
C6224 STBY
R6240 STBY
C6240 stby
CN6208 (1/2) AKB7172
(F)
R6225 330
C6241 stby
C6209 STBY
R6209 47k
C6225 STBY
R6241 STBY
C6210 STBY
R6210 47k
R6226 330
C6226 STBY
R6242 STBY
C6242 stby
C6285 0.01
GNDCH
C
CN6208 (2/2) AKB7172
R6250 STBY
C6280 STBY
(C)
SW
(SW)
(FVL)
(MIC)
(IP)
R6227 330
C6243 stby
C6211 STBY
R6211 47k
C6227 STBY
R6243 STBY
C6212 STBY
R6212 47k
R6228 330
C6228 STBY
R6244 STBY
C6244 stby
7.1ch INPUT
CN6209 (1/2)
LS
(S)
RS
R6229 330
C6245 stby
C6213 STBY
R6213 47k
C6229 STBY
R6245 STBY
C6214 STBY
R6214 47k
R6230 330
C6230 STBY
R6246 STBY
C6246 stby
GNDCH (CHASSIS)
C6286 0.1
C6292 470p
SBL
(SB)
SBR
R6231 330
C6247 stby
C6215 STBY
R6215 47k
C6231 STBY
R6247 STBY
C6216 STBY
R6216 47k
R6232 330
C6232 STBY
R6248 STBY
C6248 stby
CN6209 (2/2)
GNDA
SR OUT
JA6201
RKN1004
C6299 STBY
L6201 QTL1013
R6288 0
L6209 STBY
GNDUS
C6298 STBY
C6281 0.01
C6282 STBY
CHASSIS
V+7A
V-7A
(IP)
XKP3077
CN6202
SROUT
GNDU
V-7A
V+7A
IP R
GNDA
IP L
GNDA
VLCK
VLDT1
GNDU
GNDU
N CN4319
A

(F) ➡ : AUDIO SIGNAL ROUTE(F)
(C) ➡ : AUDIO SIGNAL ROUTE(C)
(S) ➡ : AUDIO SIGNAL ROUTE(S)
(SB) ➡ : AUDIO SIGNAL ROUTE(SB)
(SW) ➡ : AUDIO SIGNAL ROUTE(SW)
(PHONO) ➡ : AUDIO SIGNAL ROUTE (PHONO)
(IP) ➡ : AUDIO SIGNAL ROUTE(IP)

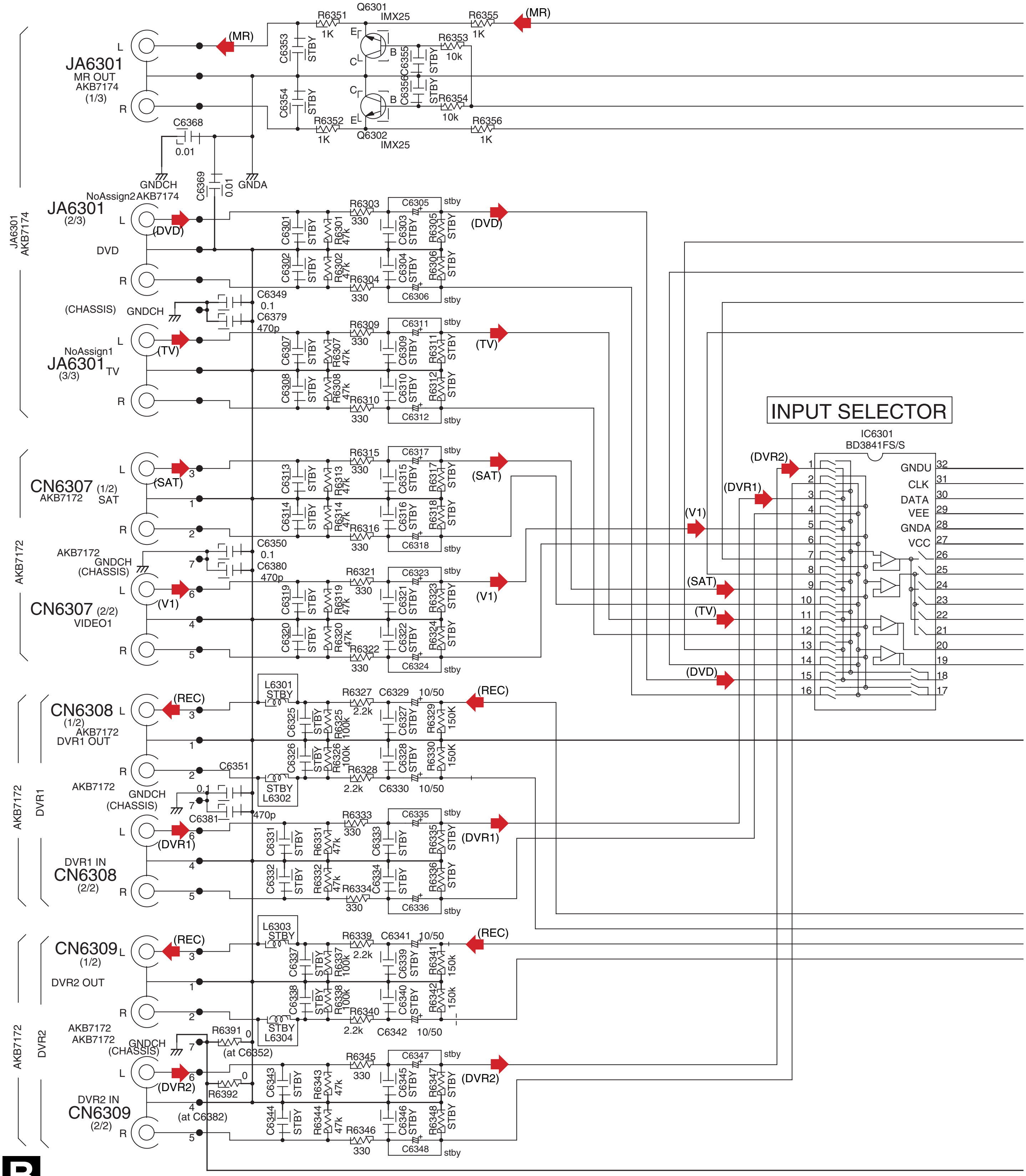
(CD) ➡ : AUDIO SIGNAL ROUTE (CD)
(TL) ➡ : AUDIO SIGNAL ROUTE (TL)
(MR) ➡ : AUDIO SIGNAL ROUTE (MR)
(REC) ➡ : AUDIO SIGNAL ROUTE (REC)
(CDR) ➡ : AUDIO SIGNAL ROUTE (CDR)
(MIC) ➡ : AUDIO SIGNAL ROUTE (CDR)
(FVL) ➡ : AUDIO SIGNAL ROUTE (FVL)

A AUDIO&MULTI CH IN ASSY (AWX8674)


V+7A
CN6203
XKP3082-
(TL)
1 TUNER L
2 GNDA
3 TUNER R
4 GNDA
5 MRtoVOL L
6 GNDA
7 MRtoVOL R
8 GNDA
9 MR ASEL L
10 GNDA
11 MR ASEL R
12 GNDA
13 ASEL L
14 GNDA
15 ASEL R
16 GNDA
17 MR VASEL R
18 GNDA
19 MR VASEL L
20 GNDA
21 GNDA
22 V+7A
23 V-7A
H CN5454
(MR)
(F)
L6208
VTL1083
STBY
R6287
V-7A
GNDA
R6284
47K
R6285
47K
R6267100
R6268100
C6267
100p
C6268
100p
GNDU
C6269
0.01
C6295
47/16
C6270
0.01
C6296
47/16
V-7A
V+7A
R6271
47k
R6272
47k
R6273
47k
R6274
47k
R6269
0
R6270
0
CN6204
XKP3079-
1 SW
2 GNDA
3 C
4 GNDA
5 RS
6 GNDA
7 LS
8 GNDA
9 SBR
10 GNDA
11 SBL
12 GNDA
13 MIC
14 GNDA
15 FVL
16 GNDA
17 FVR
H CN5455
(SW)
(C)
(S)
(SB)
(MIC)
(FVL)
L6207
VTL1083
R6286
STBY
6201
VEF1040

3.4 V-AUDIO ASSY

B V-AUDIO ASSY
(AWX8637)


JA6301
MR OUT
AKB7174
(1/3)
(MR)
R6351 1K
Q6301 IMX25
R6355 1K
R6353 10k
R6354 10k
Q6302 IMX25
R6352 1K
R6356 1K
C6353 STBY
C6354 STBY
C6355 STBY
C6356 STBY
C6368 0.01
C6369 0.01
GNDCH
GNDA
JA6301 (2/3) NoAssign2 AKB7174 DVD
(DVD)
JA6301 AKB7174
R6303 330
C6305 stby
C6301 STBY
R6301 47k
C6303 STBY
R6305 STBY
C6302 STBY
R6302 47k
R6304 330
C6304 STBY
R6306 STBY
C6306 stby
(CHASSIS) GNDCH
C6349 0.1
C6379 470p
NoAssign1 JA6301 (3/3) TV
(TV)
R6309 330
C6311 stby
C6307 STBY
R6307 47k
C6309 STBY
R6311 STBY
C6308 STBY
R6308 47k
R6310 330
C6310 STBY
R6312 STBY
C6312 stby
INPUT SELECTOR
IC6301
BD3841FS/S
GNDU 32
CLK 31
DATA 30
VEE 29
GNDA 28
VCC 27
(DVR2)
(DVR1)
(V1)
(SAT)
(TV)
(DVD)
CN6307 (1/2) AKB7172 SAT
(SAT)
R6315 330
C6317 stby
C6313 STBY
R6313 47k
C6315 STBY
R6317 STBY
C6314 STBY
R6314 47k
R6316 330
C6316 STBY
R6318 STBY
C6318 stby
AKB7172
AKB7172 GNDCH (CHASSIS)
C6350 0.1
C6380 470p
CN6307 (2/2) VIDEO1
(V1)
R6321 330
C6323 stby
C6319 STBY
R6319 47k
C6321 STBY
R6323 STBY
C6320 STBY
R6320 47k
R6322 330
C6322 STBY
R6324 STBY
C6324 stby
CN6308 (1/2) AKB7172 DVR1 OUT
(REC)
L6301 STBY
R6327 2.2k
C6329 10/50
C6325 STBY
R6325 100k
C6327 STBY
R6329 150K
C6326 STBY
R6326 100k
R6328 2.2k
C6328 STBY
R6330 150K
C6330 10/50
C6351 0.1
L6302 STBY
AKB7172 GNDCH (CHASSIS)
C6381 470p
AKB7172 DVR1
(DVR1)
R6333 330
C6335 stby
C6331 STBY
R6331 47k
C6333 STBY
R6335 STBY
DVR1 IN CN6308 (2/2)
C6332 STBY
R6332 47k
R6334 330
C6334 STBY
R6336 STBY
C6336 stby
CN6309 (1/2) DVR2 OUT
(REC)
L6303 STBY
R6339 2.2k
C6341 10/50
C6337 STBY
R6337 100k
C6339 STBY
R6341 150k
C6338 STBY
R6338 100k
R6340 2.2k
C6340 STBY
R6342 150k
C6342 10/50
L6304 STBY
AKB7172 DVR2
AKB7172 AKB7172 GNDCH (CHASSIS)
R6391 0 (at C6352)
R6392 0 (at C6382)
(DVR2)
R6345 330
C6347 stby
C6343 STBY
R6343 47k
C6345 STBY
R6347 STBY
DVR2 IN CN6309 (2/2)
C6344 STBY
R6344 47k
R6346 330
C6346 STBY
R6348 STBY
C6348 stby
A B C D E F

B

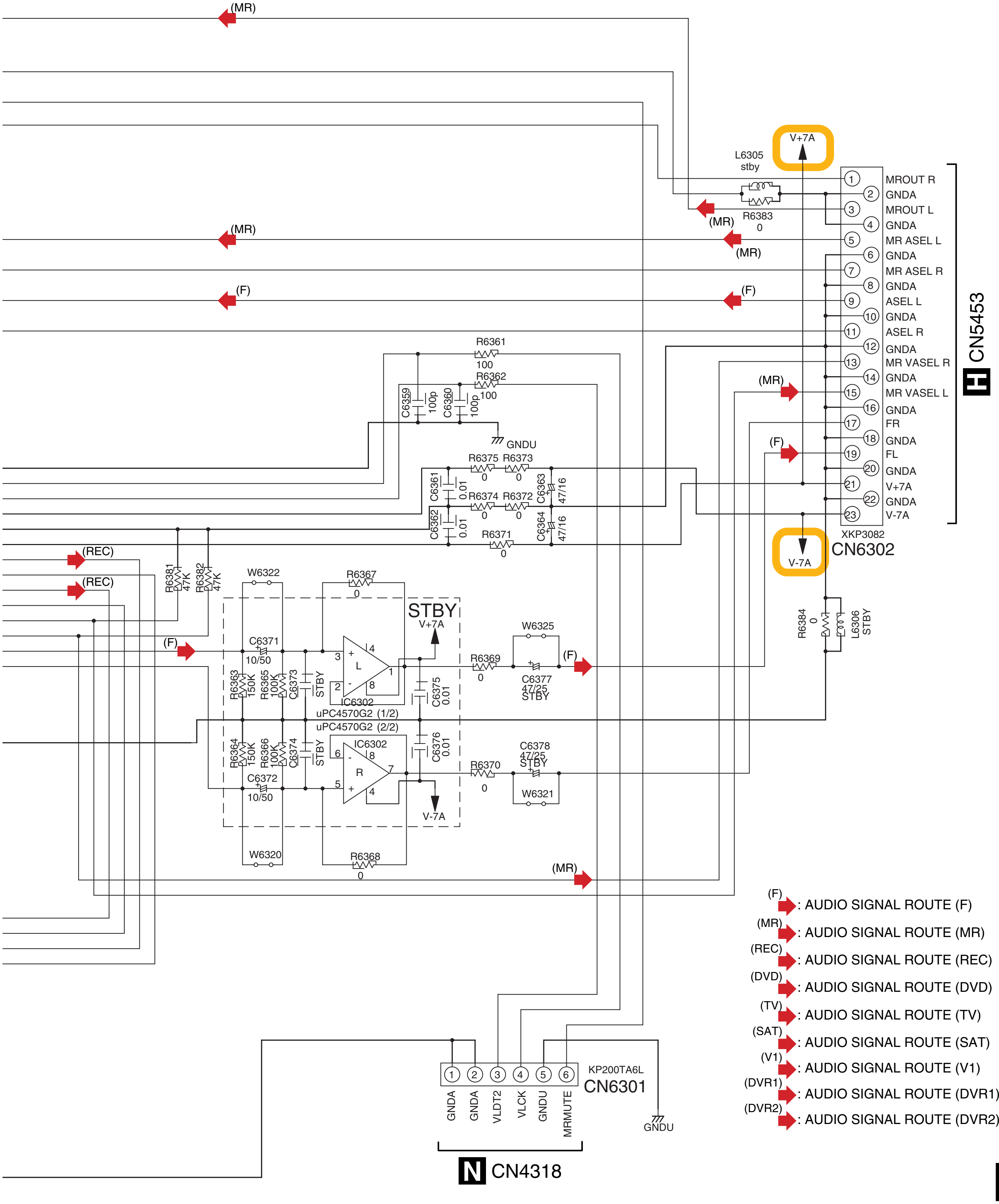
NOTE

1.RESISTORS

Unit: k-k , M-M or unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: (J) ±5% unless otherwise noted.

2.CAPACITORS

Unit: p-pF or μF unless otherwise noted.
Ratings: Capacity(μF)/Voltage(V) unless otherwise noted.
Rated Voltage: 50V expect for electrolytic capacitors.

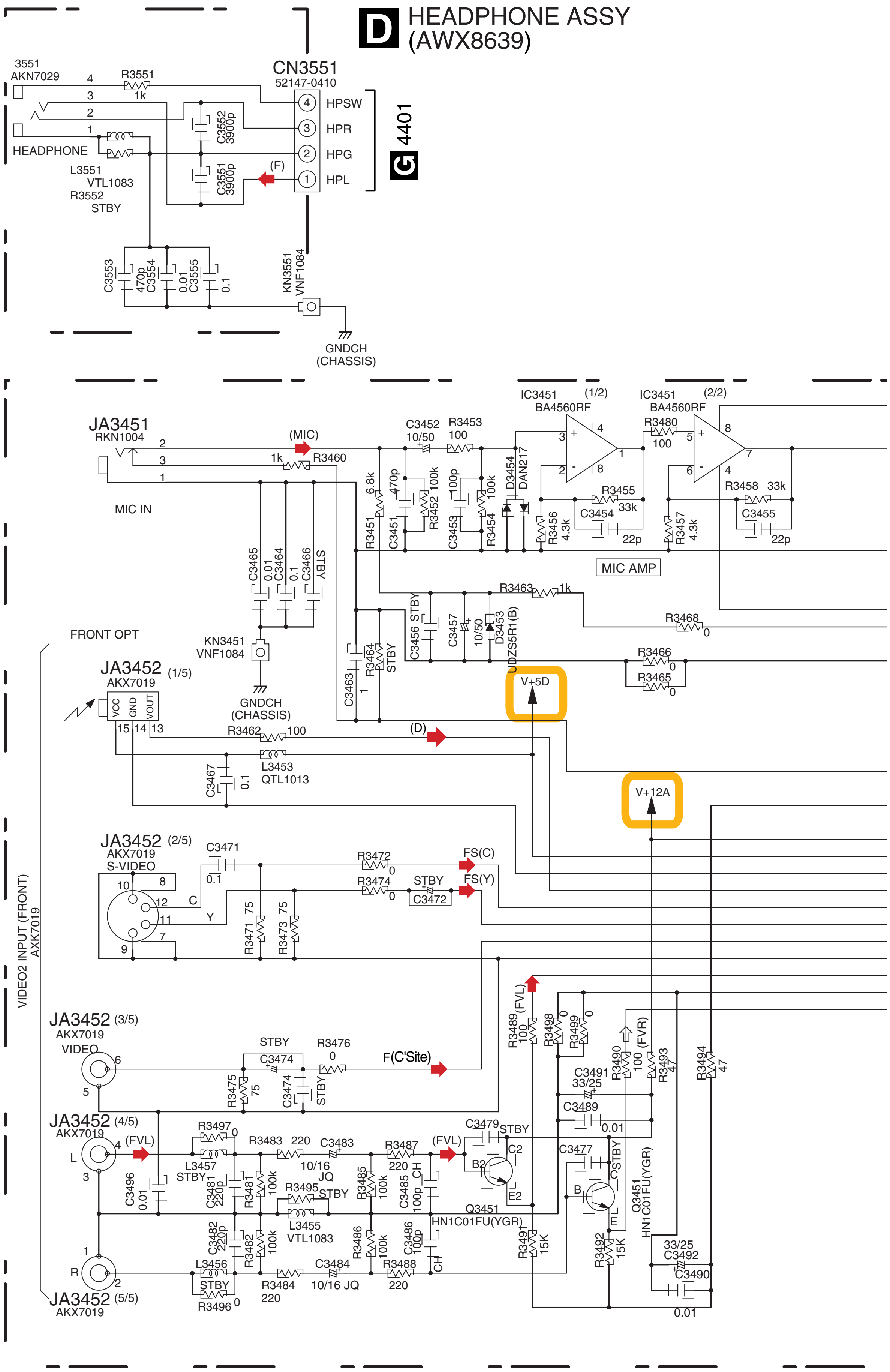


(MR)
(MR)
(F)
(REC)
(REC)
(F)
(MR)
V+7A
L6305
stby
R6383
0
V-7A
XKP3082
CN6302
1 MROUT R
2 GNDA
3 MROUT L
4 GNDA
5 MR ASEL L
6 GNDA
7 MR ASEL R
8 GNDA
9 ASEL L
10 GNDA
11 ASEL R
12 GNDA
13 MR VASEL R
14 GNDA
15 MR VASEL L
16 GNDA
17 FR
18 GNDA
19 FL
20 GNDA
21 V+7A
22 GNDA
23 V-7A
H CN5453
R6361
100
R6362
100
C6359
100p
C6360
100p
GNDU
R6375 R6373
0 0
R6374 R6372
0 0
C6361
0.01
C6362
0.01
C6363
47/16
C6364
47/16
R6371
0
R6381
47K
R6382
47K
W6322
R6367
0
STBY
V+7A
C6371
10/50
R6363
150K
R6365
100K
C6373
STBY
IC6302
uPC4570G2 (1/2)
uPC4570G2 (2/2)
L
R
C6375
0.01
C6376
0.01
R6364
150K
R6366
100K
C6374
STBY
C6372
10/50
V-7A
W6320
R6368
0
R6369
0
W6325
C6377
47/25
STBY
C6378
47/25
STBY
R6370
0
W6321
R6384
0
L6306
STBY
KP200TA6L
CN6301
1 GNDA
2 GNDA
3 VLDT2
4 VLCK
5 GNDU
6 MRMUTE
GNDU
N CN4318

(F) : AUDIO SIGNAL ROUTE (F)
(MR) : AUDIO SIGNAL ROUTE (MR)
(REC) : AUDIO SIGNAL ROUTE (REC)
(DVD) : AUDIO SIGNAL ROUTE (DVD)
(TV) : AUDIO SIGNAL ROUTE (TV)
(SAT) : AUDIO SIGNAL ROUTE (SAT)
(V1) : AUDIO SIGNAL ROUTE (V1)
(DVR1) : AUDIO SIGNAL ROUTE (DVR1)
(DVR2) : AUDIO SIGNAL ROUTE (DVR2)

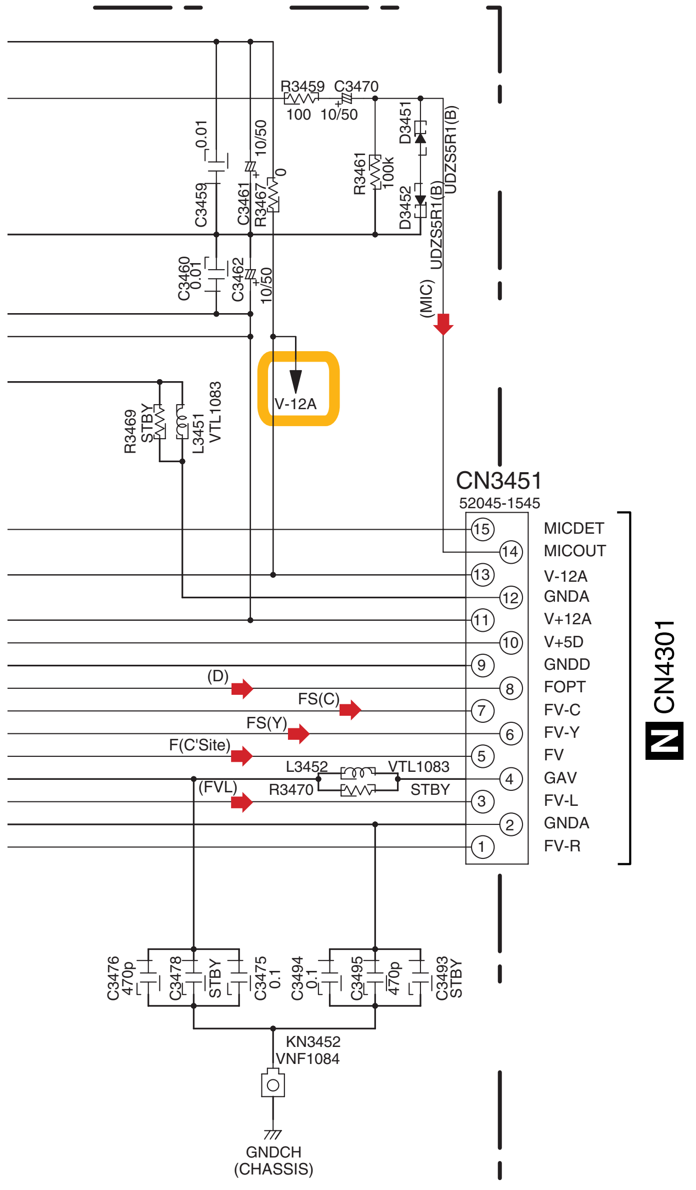
B

3.5 FRONT-IN and HEADPHONE ASSYS


D HEADPHONE ASSY
(AWX8639)
G 4401
3551
AKN7029
HEADPHONE
R3551 1k
L3551 VTL1083
R3552 STBY
C3552 3900p
C3551 3900p
(F)
CN3551
52147-0410
HPSW
HPR
HPG
HPL
C3553 470p
C3554 0.01
C3555 0.1
KN3551 VNF1084
GNDCH
(CHASSIS)
JA3451
RKN1004
MIC IN
(MIC)
R3460 1k
C3465 0.01
C3464 0.1
C3466 STBY
KN3451 VNF1084
GNDCH
(CHASSIS)
R3451 6.8k
C3451 470p
R3452 100k
C3452 10/50
R3453 100
C3453 100p
R3454 100k
D3454 DAN217
IC3451 (1/2) BA4560RF
IC3451 (2/2) BA4560RF
R3456 4.3k
C3454 22p
R3455 33k
R3480 100
R3457 4.3k
R3458 33k
C3455 22p
MIC AMP
R3463 1k
R3468 0
C3456 STBY
C3457 10/50
D3453 UDZS5R1(B)
C3463 1
R3464 STBY
R3466 0
R3465 0
V+5D
V+12A
FRONT OPT
JA3452 (1/5)
AKX7019
VCC GND VOUT
R3462 100
(D)
L3453 QTL1013
C3467 0.1
JA3452 (2/5)
AKX7019
S-VIDEO
C3471 0.1
R3472 0
R3474 0
STBY C3472
FS(C)
FS(Y)
C
Y
R3471 75
R3473 75
VIDEO2 INPUT (FRONT)
AKX7019
JA3452 (3/5)
AKX7019
VIDEO
STBY C3474
R3476 0
F(C'Site)
R3475 75
C3474 STBY
JA3452 (4/5)
AKX7019
(FVL)
L
R
C3496 0.01
R3497 0
L3457 STBY
R3483 220
C3483 10/16 JQ
C3481 220p
R3481 100k
R3495 STBY
L3455 VTL1083
R3485 100k
R3487 220
C3485 100p CH
(FVL)
C3479 STBY
Q3451 HN1C01FU(YGR)
B2 C2 E2
B C E
C3477 STBY
R3489 100 (FVL)
R3498 0
R3499 0
R3490 100 (FVR)
R3493 47
R3494 47
C3491 33/25
C3489 0.01
R3491 15K
R3492 15K
C3492 33/25
C3490 0.01
C3482 220p
R3482 100k
L3456 STBY
R3496 0
R3484 220
C3484 10/16 JQ
R3486 100k
C3486 100p CH
R3488 220
JA3452 (5/5)
AKX7019

C D

C FRONT-IN ASSY (AWX8638)


C3459
0.01
C3461
10/50
R3467
0
R3459
100
C3470
10/50
R3461
100k
D3451
UDZS5R1(B)
D3452
UDZS5R1(B)
C3460
0.01
C3462
10/50
(MIC)
V-12A
R3469
STBY
L3451
VTL1083
CN3451
52045-1545
15 MICDET
14 MICOUT
13 V-12A
12 GNDA
11 V+12A
10 V+5D
9 GNDD
8 FOPT
7 FV-C
6 FV-Y
5 FV
4 GAV
3 FV-L
2 GNDA
1 FV-R
N CN4301
(D)
FS(C)
FS(Y)
F(C'Site)
L3452
VTL1083
(FVL)
R3470
STBY
C3476
470p
C3478
STBY
C3475
0.1
C3494
0.1
C3495
470p
C3493
STBY
KN3452
VNF1084
GNDCH
(CHASSIS)

The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore,when replacing,be sure to use parts of identical designation.

NOTE

1.RESISTORS

Unit: k-k , M-M or unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: (J) ±5% unless otherwise noted.

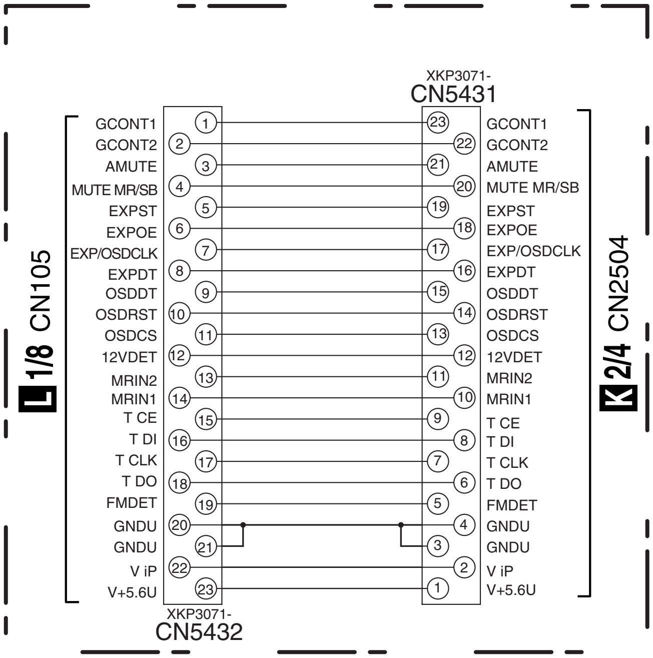
2.CAPACITORS

Unit: p-pF or µF unless otherwise noted.
Ratings: Capacity(µF)/Voltage(V) unless otherwise noted.
Rated Voltage: 50V expect for electrolytic capacitors.
JQ:CEJQ

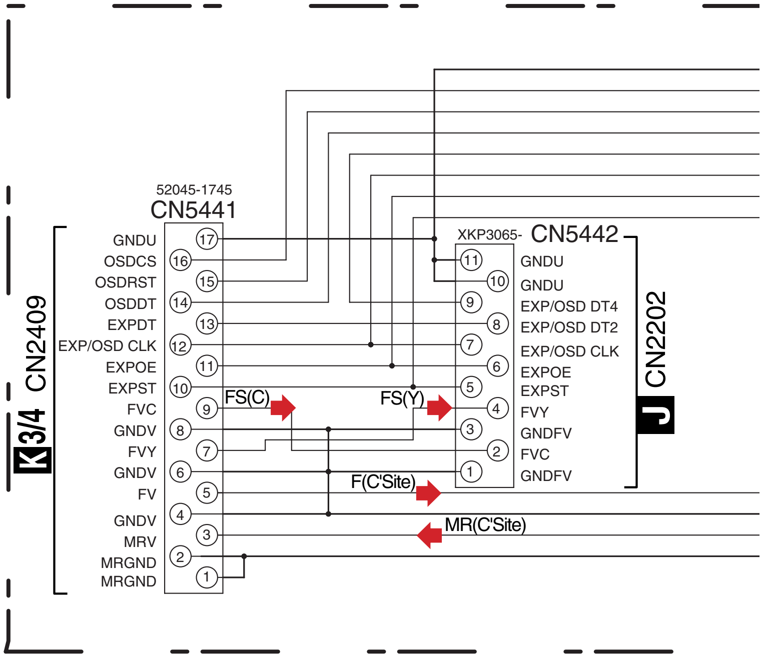
FS(Y) ➡ : VIDEO SIGNAL ROUTE FS(Y)
FS(C) ➡ : VIDEO SIGNAL ROUTE FS(C)
F(C'Site) ➡ : VIDEO SIGNAL ROUTE F(C'Site)
(FVL) ➡ : VIDEO SIGNAL ROUTE (VIDEO 2)
(F) ➡ : AUDIO SIGNAL ROUTE (F)
(MIC) ➡ : AUDIO SIGNAL ROUTE (MIC)
(D) ➡ : AUDIO SIGNAL ROUTE (SPDIF)

3.6 BRIDGE1, BRIDGE2, TRANS SIDE and BRIDGE3 ASSYS

E BRIDGE 1 ASSY (AWX8667)

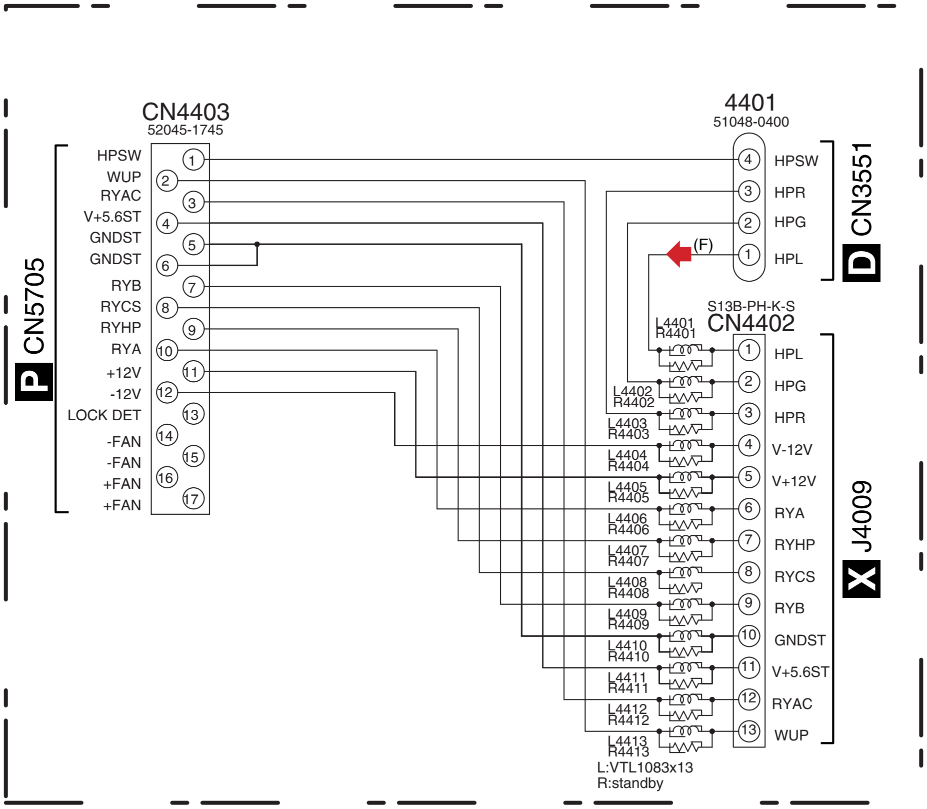

XKP3071-
CN5431
L 1/8 CN105
K 2/4 CN2504
GCONT1
GCONT2
AMUTE
MUTE MR/SB
EXPST
EXPOE
EXP/OSDCLK
EXPDT
OSDDT
OSDRST
OSDCS
12VDET
MRIN2
MRIN1
T CE
T DI
T CLK
T DO
FMDET
GNDU
GNDU
V iP
V+5.6U
XKP3071-
CN5432

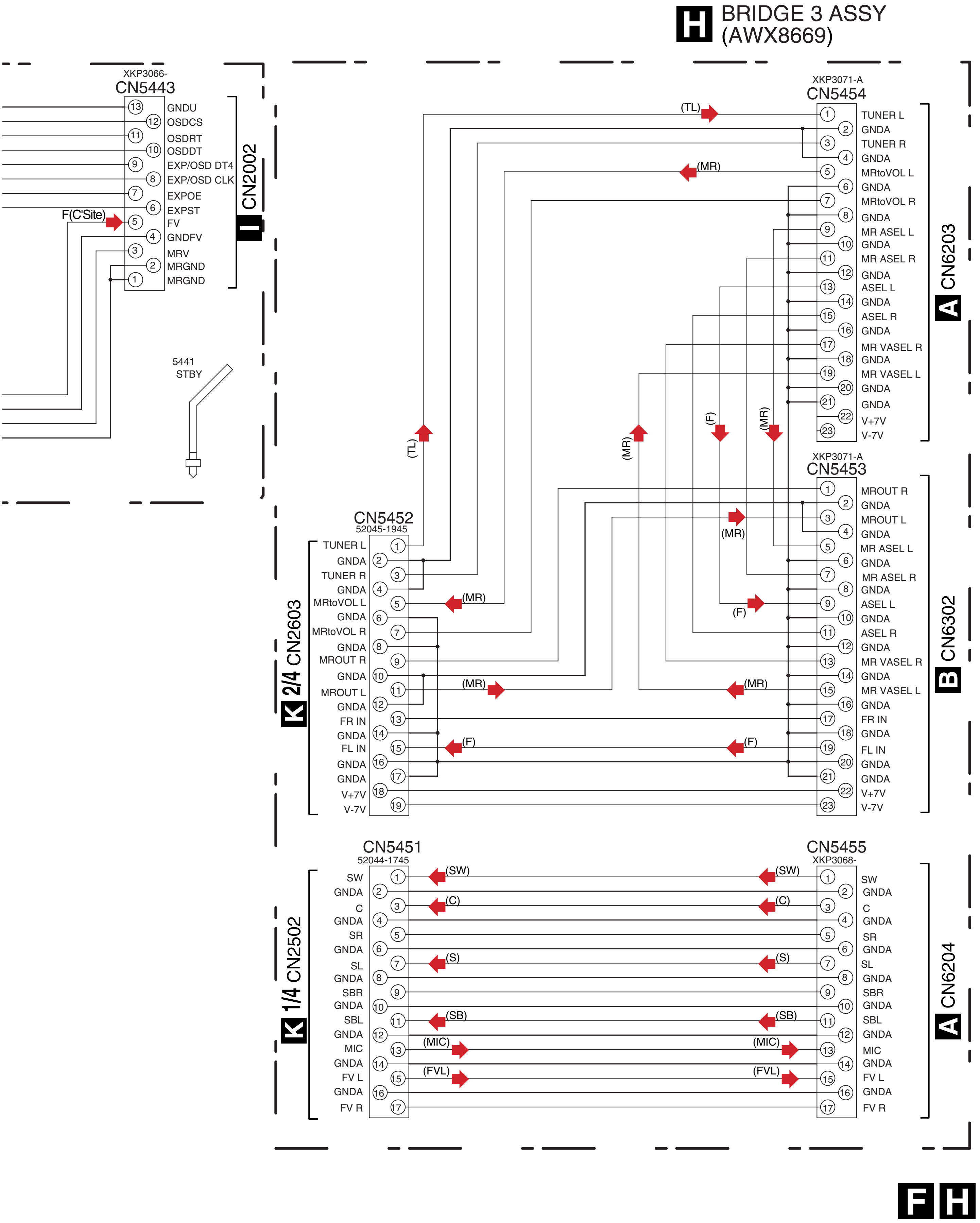
F BRIDGE 2 ASSY (AWX8668)


52045-1745
CN5441
K 3/4 CN2409
GNDU
OSDCS
OSDRST
OSDDT
EXPDT
EXP/OSD CLK
EXPOE
EXPST
FVC
GNDV
FVY
GNDV
FV
GNDV
MRV
MRGND
MRGND
FS(C)
FS(Y)
F(C'Site)
MR(C'Site)
XKP3065- CN5442
J CN2202
GNDU
GNDU
EXP/OSD DT4
EXP/OSD DT2
EXP/OSD CLK
EXPOE
EXPST
FVY
GNDFV
FVC
GNDFV

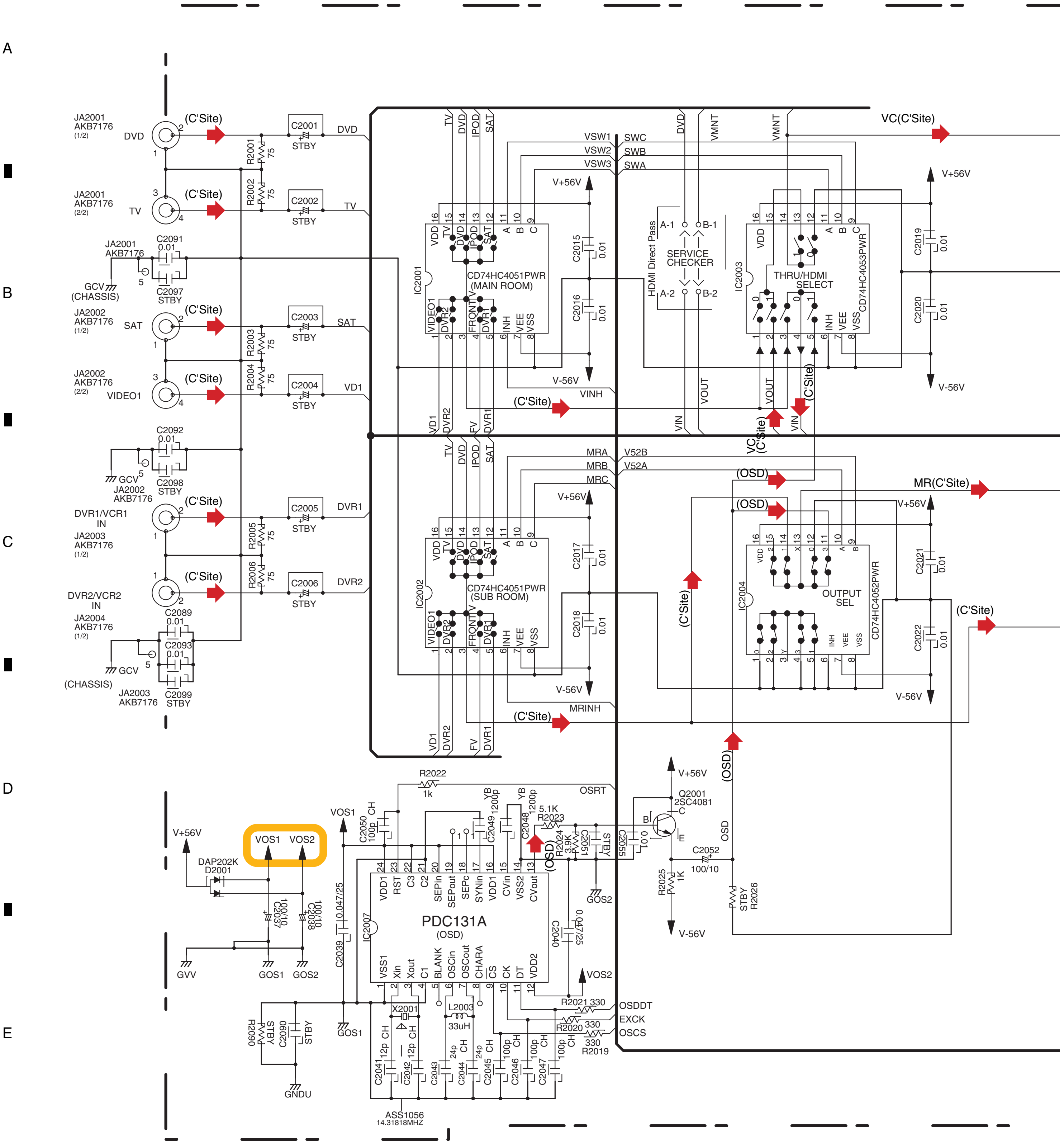
G TRANS SIDE ASSY (AWX8652)

(F)➡ : AUDIO SIGNAL ROUTE(F)
(C)➡ : AUDIO SIGNAL ROUTE(C)
(S)➡ : AUDIO SIGNAL ROUTE(S)
(SB)➡ : AUDIO SIGNAL ROUTE(SB)
(SW)➡ : AUDIO SIGNAL ROUTE(SW)
(TL)➡ : AUDIO SIGNAL ROUTE(TUNER)
(MIC)➡ : AUDIO SIGNAL ROUTE(MIC)
(FVL)➡ : AUDIO SIGNAL ROUTE(VIDEO2)
(MR)➡ : AUDIO SIGNAL ROUTE(MR)
MR(C'Site)➡ : VIDEO SIGNAL ROUTE MR(C'Site)
F(C'Site)➡ : VIDEO SIGNAL ROUTE F(C'Site)
FS(C)➡ : VIDEO SIGNAL ROUTE FS(C)
FS(Y)➡ : VIDEO SIGNAL ROUTE FS(Y)


CN4403
52045-1745
P CN5705
HPSW
WUP
RYAC
V+5.6ST
GNDST
GNDST
RYB
RYCS
RYHP
RYA
+12V
-12V
LOCK DET
-FAN
-FAN
+FAN
+FAN
4401
51048-0400
D CN3551
HPSW
HPR
HPG
HPL
(F)
S13B-PH-K-S
CN4402
X J4009
L4401 R4401
L4402 R4402
L4403 R4403
L4404 R4404
L4405 R4405
L4406 R4406
L4407 R4407
L4408 R4408
L4409 R4409
L4410 R4410
L4411 R4411
L4412 R4412
L4413 R4413
HPL
HPG
HPR
V-12V
V+12V
RYA
RYHP
RYCS
RYB
GNDST
V+5.6ST
RYAC
WUP
L:VTL1083x13
R:standby

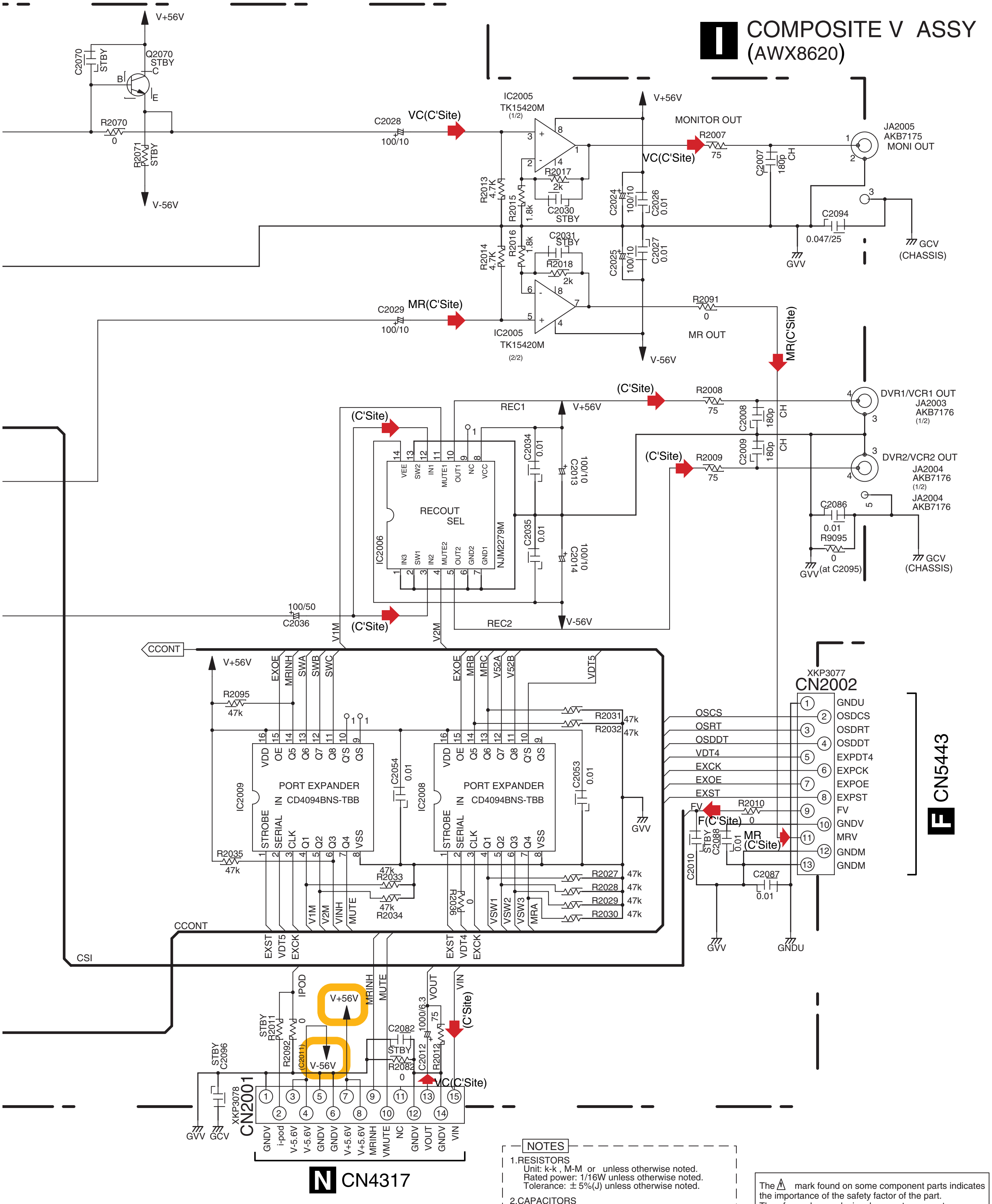

H BRIDGE 3 ASSY
(AWX8669)
XKP3066-
CN5443
13 GNDU
12 OSDCS
11 OSDRT
10 OSDDT
9 EXP/OSD DT4
8 EXP/OSD CLK
7 EXPOE
6 EXPST
5 FV
4 GNDFV
3 MRV
2 MRGND
1 MRGND
F(C'Site)
I CN2002
5441
STBY
XKP3071-A
CN5454
1 TUNER L
2 GNDA
3 TUNER R
4 GNDA
5 MRtoVOL L
6 GNDA
7 MRtoVOL R
8 GNDA
9 MR ASEL L
10 GNDA
11 MR ASEL R
12 GNDA
13 ASEL L
14 GNDA
15 ASEL R
16 GNDA
17 MR VASEL R
18 GNDA
19 MR VASEL L
20 GNDA
21 GNDA
22 V+7V
23 V-7V
A CN6203
(TL)
(MR)
(F)
XKP3071-A
CN5453
1 MROUT R
2 GNDA
3 MROUT L
4 GNDA
5 MR ASEL L
6 GNDA
7 MR ASEL R
8 GNDA
9 ASEL L
10 GNDA
11 ASEL R
12 GNDA
13 MR VASEL R
14 GNDA
15 MR VASEL L
16 GNDA
17 FR IN
18 GNDA
19 FL IN
20 GNDA
21 GNDA
22 V+7V
23 V-7V
B CN6302
CN5452
52045-1945
1 TUNER L
2 GNDA
3 TUNER R
4 GNDA
5 MRtoVOL L
6 GNDA
7 MRtoVOL R
8 GNDA
9 MROUT R
10 GNDA
11 MROUT L
12 GNDA
13 FR IN
14 GNDA
15 FL IN
16 GNDA
17 GNDA
18 V+7V
19 V-7V
K 2/4 CN2603
CN5451
52044-1745
1 SW
2 GNDA
3 C
4 GNDA
5 SR
6 GNDA
7 SL
8 GNDA
9 SBR
10 GNDA
11 SBL
12 GNDA
13 MIC
14 GNDA
15 FV L
16 GNDA
17 FV R
K 1/4 CN2502
(SW)
(C)
(S)
(SB)
(MIC)
(FVL)
CN5455
XKP3068-
1 SW
2 GNDA
3 C
4 GNDA
5 SR
6 GNDA
7 SL
8 GNDA
9 SBR
10 GNDA
11 SBL
12 GNDA
13 MIC
14 GNDA
15 FV L
16 GNDA
17 FV R
A CN6204
F H

3.7 COMPOSITE V ASSY


A
B
C
D
E
JA2001 AKB7176 (1/2) DVD
JA2001 AKB7176 (2/2) TV
JA2001 AKB7176
GCV (CHASSIS)
JA2002 AKB7176 (1/2) SAT
JA2002 AKB7176 (2/2) VIDEO1
JA2002 AKB7176
DVR1/VCR1 IN JA2003 AKB7176 (1/2)
DVR2/VCR2 IN JA2004 AKB7176 (1/2)
JA2003 AKB7176
(C'Site)
C2001 STBY DVD
C2002 STBY TV
C2003 STBY SAT
C2004 STBY VD1
C2005 STBY DVR1
C2006 STBY DVR2
R2001 75
R2002 75
R2003 75
R2004 75
R2005 75
R2006 75
C2091 0.01
C2097 STBY
C2092 0.01
C2098 STBY
C2089 0.01
C2093 0.01
C2099 STBY
IC2001 CD74HC4051PWR (MAIN ROOM)
IC2002 CD74HC4051PWR (SUB ROOM)
IC2003 THRU/HDMI SELECT CD74HC4053PWR
IC2004 OUTPUT SEL CD74HC4052PWR
HDMI Direct Pass SERVICE CHECKER A-1 B-1 A-2 B-2
VSW1 VSW2 VSW3 SWC SWB SWA
MRA MRB MRC V52B V52A
VINH MRINH
V+56V V-56V
C2015 0.01
C2016 0.01
C2017 0.01
C2018 0.01
C2019 0.01
C2020 0.01
C2021 0.01
C2022 0.01
VC(C'Site)
MR(C'Site)
(OSD)
VOUT VIN VMNT
IC2007 PDC131A (OSD)
VDD1 RST C3 C2 SEPin SEPout SEPc SYNin VDD1 CVin VSS2 CVout
VSS1 Xin Xout C1 BLANK OSCin OSCout CHARA CS CK DT VDD2
VOS1 VOS2
V+56V DAP202K D2001
C2037 100/10
C2038 100/10
GVV GOS1 GOS2
C2039 0.047/25
C2050 100p CH
R2022 1k
C2049 1200p YB
C2048 1200p YB
R2023 5.1K
R2024 3.9K
C2051 STBY
C2055 0.01
Q2001 2SC4081
R2025 1K
C2052 100/10
R2026 STBY
C2040 0.047/25
OSRT OSDDT EXCK OSCS
R2021 330
R2020 330
R2019 330
X2001 ASS1056 14.31818MHZ
L2003 33uH
C2041 12p CH
C2042 12p CH
C2043 24p
C2044 24p
C2045 100p CH
C2046 100p CH
C2047 100p CH
R2090 STBY
C2090 STBY
GNDU

(C'Site) ➡: VIDEO SIGNAL ROUTE (C'Site)
F(C'Site) ➡: VIDEO SIGNAL ROUTE F(C'Site)
MR(C'Site) ➡: VIDEO SIGNAL ROUTE MR(C'Site)
VC(C'Site) ➡: VIDEO SIGNAL ROUTE VC(C'Site)
(OSD) ➡: VIDEO SIGNAL ROUTE (OSD)

I COMPOSITE V ASSY (AWX8620)


A
B
C
D
E
F
V+56V
C2070 STBY
Q2070 STBY
B C E
R2070 0
R2071 STBY
V-56V
C2028 100/10
VC(C'Site)
IC2005 TK15420M (1/2)
V+56V
MONITOR OUT
R2007 75
VC(C'Site)
C2007 180p CH
JA2005 AKB7175 MONI OUT
R2013 4.7K
R2015 1.8k
R2017 2k
C2030 STBY
C2024 100/10
C2026 0.01
C2094 0.047/25
GVV
GCV (CHASSIS)
R2014 4.7K
R2016 1.8k
C2031 STBY
R2018 2k
C2025 100/10
C2027 0.01
C2029 100/10
MR(C'Site)
IC2005 TK15420M (2/2)
R2091 0
MR OUT
V-56V
MR(C'Site)
(C'Site)
REC1
V+56V
R2008 75
C2008 180p CH
DVR1/VCR1 OUT JA2003 AKB7176 (1/2)
C2009 180p CH
R2009 75
DVR2/VCR2 OUT JA2004 AKB7176 (1/2)
JA2004 AKB7176
C2086 0.01
R9095 0
GVV (at C2095)
GCV (CHASSIS)
VEE SW2 IN1 MUTE1 OUT1 NC VCC
RECOUT SEL
IC2006
NJM2279M
IN3 SW1 IN2 MUTE2 OUT2 GND2 GND1
C2034 0.01
C2013 100/10
C2035 0.01
C2014 100/10
C2036 100/50
(C'Site)
V1M
V2M
REC2
V-56V
CCONT
V+56V
R2095 47k
EXOE MRINH SWA SWB SWC
EXOE MRB MRC V52A V52B VDT5
R2031 47k
R2032 47k
VDD OE Q5 Q6 Q7 Q8 Q'S QS
PORT EXPANDER
IN CD4094BNS-TBB
IC2009
STROBE SERIAL CLK Q1 Q2 Q3 Q4 VSS
C2054 0.01
IC2008
C2053 0.01
R2035 47k
R2033 47k
R2034 47k
R2036 0
V1M V2M VINH MUTE
VSW1 VSW2 VSW3 MRA
R2027 47k
R2028 47k
R2029 47k
R2030 47k
GVV
OSCS OSRT OSDDT VDT4 EXCK EXOE EXST
FV
R2010 0
F(C'Site)
C2010 STBY
C2088 0.01
MR (C'Site)
C2087 0.01
GVV GNDU
XKP3077 CN2002
GNDU OSDCS OSDRT OSDDT EXPDT4 EXPCK EXPOE EXPST FV GNDV MRV GNDM GNDM
F CN5443
CCONT
CSI
EXST VDT5 EXCK
EXST VDT4 EXCK
IPOD
V+56V
MRINH
MUTE
VOUT
VIN
(C'Site)
R2011 STBY 0
R2092
C2096 STBY
(C2011)
V-56V
C2082 STBY
R2082 0
C2012 1000/6.3
R2012 75
VC(C'Site)
XKP3078 CN2001
GVV GCV
GNDV i-pod V-5.6V V-5.6V GNDV GNDV V+5.6V V+5.6V MRINH VMUTE NC GNDV VOUT GNDV VIN
N CN4317

NOTES
1.RESISTORS
Unit: k-k , M-M or unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: ± 5%(J) unless otherwise noted.

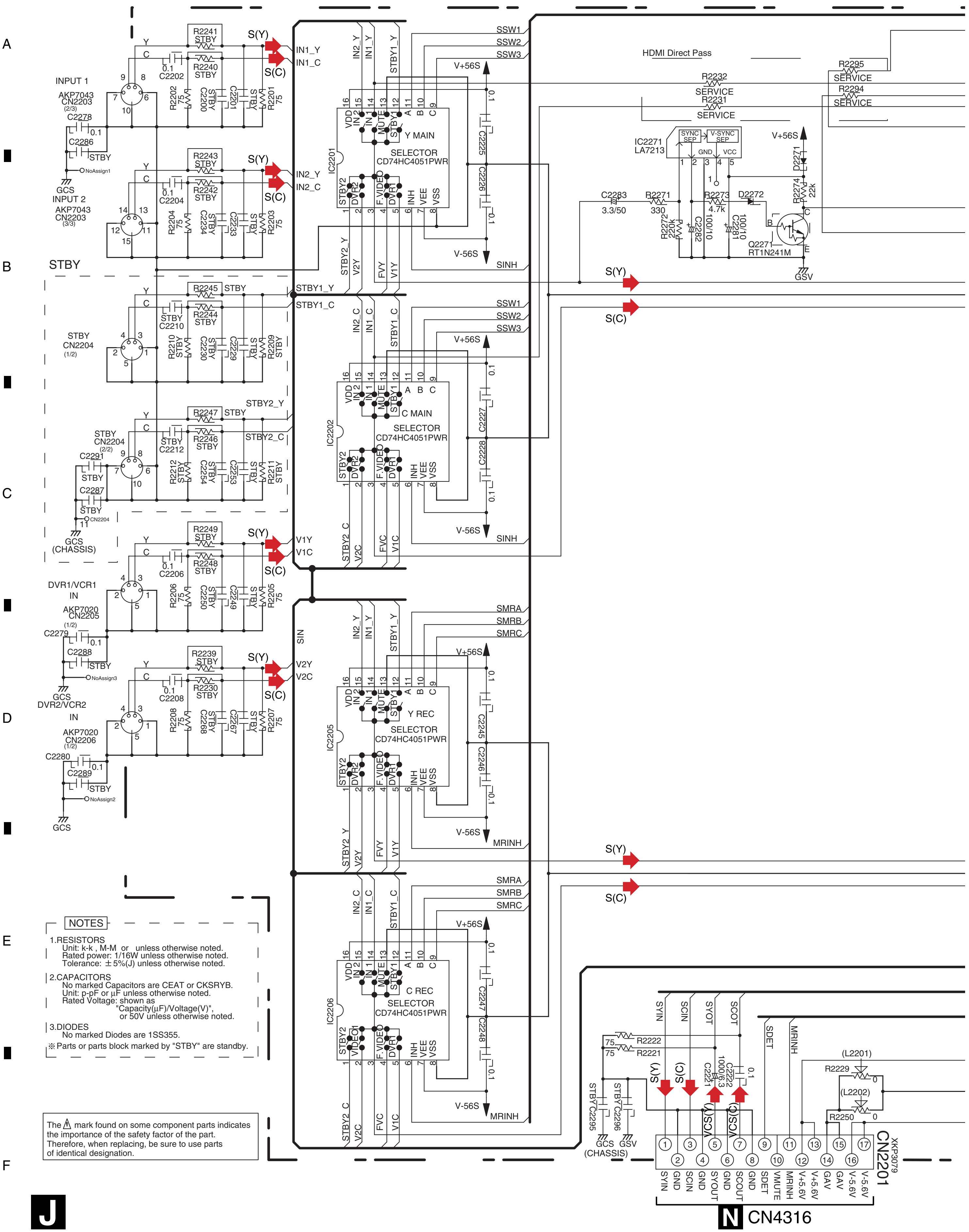
2.CAPACITORS
No marked Capacitors are CEAT or CKSRYB.
Unit: p-pF or μF unless otherwise noted.
Rated Voltage: shown as "Capacity(μF)/Voltage(V)", or 50V unless otherwise noted.

3.DIODES
No marked Diodes are 1SS355.
※Parts or parts block marked by "STBY" are standby.

The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

I

3.8 S-VIDEO ASSY



1
2
3
4
A
B
C
D
E
F
INPUT 1
AKP7043
CN2203
(2/3)
INPUT 2
AKP7043
CN2203
(3/3)
STBY
CN2204
(1/2)
STBY
CN2204
(2/2)
GCS
(CHASSIS)
DVR1/VCR1
IN
AKP7020
CN2205
(1/2)
DVR2/VCR2
IN
AKP7020
CN2206
(1/2)
GCS
NoAssign1
NoAssign2
NoAssign3
S(Y)
S(C)
IN1_Y
IN1_C
IN2_Y
IN2_C
STBY1_Y
STBY1_C
STBY2_Y
STBY2_C
V1Y
V1C
V2Y
V2C
SIN
IC2201
Y MAIN
SELECTOR
CD74HC4051PWR
IC2202
C MAIN
SELECTOR
CD74HC4051PWR
IC2205
Y REC
SELECTOR
CD74HC4051PWR
IC2206
C REC
SELECTOR
CD74HC4051PWR
VDD
IN 2
IN 1
MUTE
STBY1
A
B
C
STBY2
DVR2
F. VIDEO
DVR1
INH
VEE
VSS
SSW1
SSW2
SSW3
SMRA
SMRB
SMRC
V+56S
V-56S
SINH
MRINH
FVY
FVC
R2241 STBY
R2240 STBY
R2243 STBY
R2242 STBY
R2245 STBY
R2244 STBY
R2247 STBY
R2246 STBY
R2249 STBY
R2248 STBY
R2239 STBY
R2230 STBY
R2201 75
R2202 75
R2203 75
R2204 75
R2205 75
R2206 75
R2207 75
R2208 75
R2209 STBY
R2210 STBY
R2211 STBY
R2212 STBY
C2200 STBY
C2201 STBY
C2202 0.1
C2204 0.1
C2206 0.1
C2208 0.1
C2210 STBY
C2212 STBY
C2229 STBY
C2230 STBY
C2233 STBY
C2234 STBY
C2249 STBY
C2250 STBY
C2253 STBY
C2254 STBY
C2267 STBY
C2268 STBY
C2278 0.1
C2279 0.1
C2280 0.1
C2286 STBY
C2287 STBY
C2288 STBY
C2289 STBY
C2291 STBY
C2225 0.1
C2226 0.1
C2227 0.1
C2228 0.1
C2245 0.1
C2246 0.1
C2247 0.1
C2248 0.1
HDMI Direct Pass
R2232 SERVICE
R2231 SERVICE
R2295 SERVICE
R2294 SERVICE
IC2271
LA7213
SYNC SEP
V-SYNC SEP
GND
VCC
C2283 3.3/50
R2271 330
R2272 220k
C2282 100/10
R2273 4.7k
D2272
C2281 100/10
R2274 22k
D2271
Q2271
RT1N241M
GSV
SYIN
SCIN
SYOT
SCOT
SDET
MRINH
R2222 75
R2221 75
C2221 1000/6.3
C2222 0.1
VCS(Y)
VCS(C)
STBY C2295
STBY C2296
GCS GSV
(CHASSIS)
(L2201)
R2229 0
(L2202)
R2250 0
SYIN
GND
SCIN
GND
SYOUT
GND
SCOUT
GND
SDET
VMUTE
MRINH
V+5.6V
V+5.6V
GAV
GAV
V-5.6V
V-5.6V
CN2201
XKP3079
N CN4316
J

NOTES

1.RESISTORS
Unit: k-k , M-M or unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: ±5%(J) unless otherwise noted.

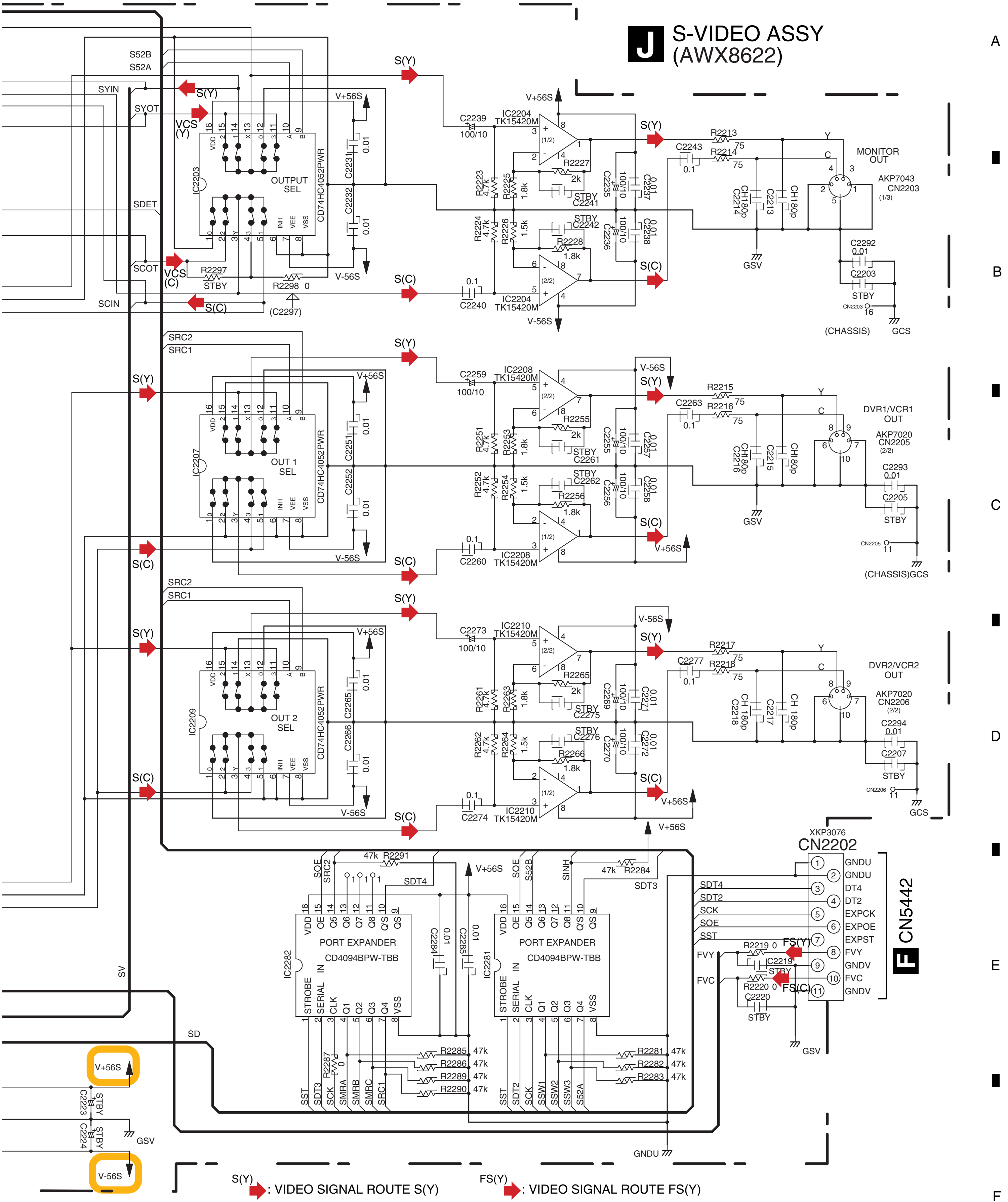
2.CAPACITORS
No marked Capacitors are CEAT or CKSRYB.
Unit: p-pF or µF unless otherwise noted.
Rated Voltage: shown as
"Capacity(µF)/Voltage(V)",
or 50V unless otherwise noted.

3.DIODES
No marked Diodes are 1SS355.

※Parts or parts block marked by "STBY" are standby.

The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

J S-VIDEO ASSY
(AWX8622)



A
B
C
D
E
F
S52B
S52A
SYIN
SYOT
SDET
SCOT
SCIN
SRC2
SRC1
S(Y)
S(C)
VCS (Y)
VCS (C)
V+56S
V-56S
IC2203
CD74HC4052PWR
OUTPUT SEL
IC2207
OUT 1 SEL
IC2209
OUT 2 SEL
C2231 0.01
C2232 0.01
C2251 0.01
C2252 0.01
C2265 0.01
C2266 0.01
R2297 STBY
R2298 0
(C2297)
C2239 100/10
C2240 0.1
IC2204 TK15420M
R2223 4.7k
R2224 4.7k
R2225 1.8k
R2226 1.5k
R2227 2k
R2228 1.8k
C2235 100/10
C2236 100/10
C2237 0.01
C2238 0.01
C2241 STBY
C2242 STBY
R2213 75
R2214 75
C2243 0.1
C2214 CH180p
C2213 CH180p
MONITOR OUT
AKP7043 CN2203 (1/3)
C2292 0.01
C2203 STBY
CN2203 16
(CHASSIS)
GCS
GSV
C2259 100/10
C2260 0.1
IC2208 TK15420M
R2251 4.7k
R2252 4.7k
R2253 1.8k
R2254 1.5k
R2255 2k
R2256 1.8k
C2255 100/10
C2256 100/10
C2257 0.01
C2258 0.01
C2261 STBY
C2262 STBY
R2215 75
R2216 75
C2263 0.1
C2216 CH180p
C2215 CH180p
DVR1/VCR1 OUT
AKP7020 CN2205 (2/2)
C2293 0.01
C2205 STBY
CN2205 11
(CHASSIS)GCS
C2273 100/10
C2274 0.1
IC2210 TK15420M
R2261 4.7k
R2262 4.7k
R2263 1.8k
R2264 1.5k
R2265 2k
R2266 1.8k
C2269 100/10
C2270 100/10
C2271 0.01
C2272 0.01
C2275 STBY
C2276 STBY
R2217 75
R2218 75
C2277 0.1
C2218 CH 180p
C2217 CH 180p
DVR2/VCR2 OUT
AKP7020 CN2206 (2/2)
C2294 0.01
C2207 STBY
CN2206 11
GCS
XKP3076
CN2202
1 GNDU
2 GNDU
3 DT4
4 DT2
5 EXPCK
6 EXPOE
7 EXPST
8 FVY
9 GNDV
10 FVC
11 GNDV
F CN5442
SDT4
SDT2
SCK
SOE
SST
FVY
FVC
R2219 0
R2220 0
C2219 STBY
C2220 STBY
FS(Y)
FS(C)
IC2282
IC2281
PORT EXPANDER
CD4094BPW-TBB
47k R2291
47k R2284
SDT3
C2284 0.01
C2285 0.01
R2285 47k
R2286 47k
R2289 47k
R2290 47k
R2281 47k
R2282 47k
R2283 47k
R2287 0
SST SDT3 SCK SMRA SMRB SMRC SRC1
SST SDT2 SCK SSW1 SSW2 SSW3 S52A
SOE SRC2
SOE S52B
SINH
SV
SD
C2223 STBY
C2224 STBY
GSV
GNDU

S(Y) : VIDEO SIGNAL ROUTE S(Y)

S(C) : VIDEO SIGNAL ROUTE S(C)

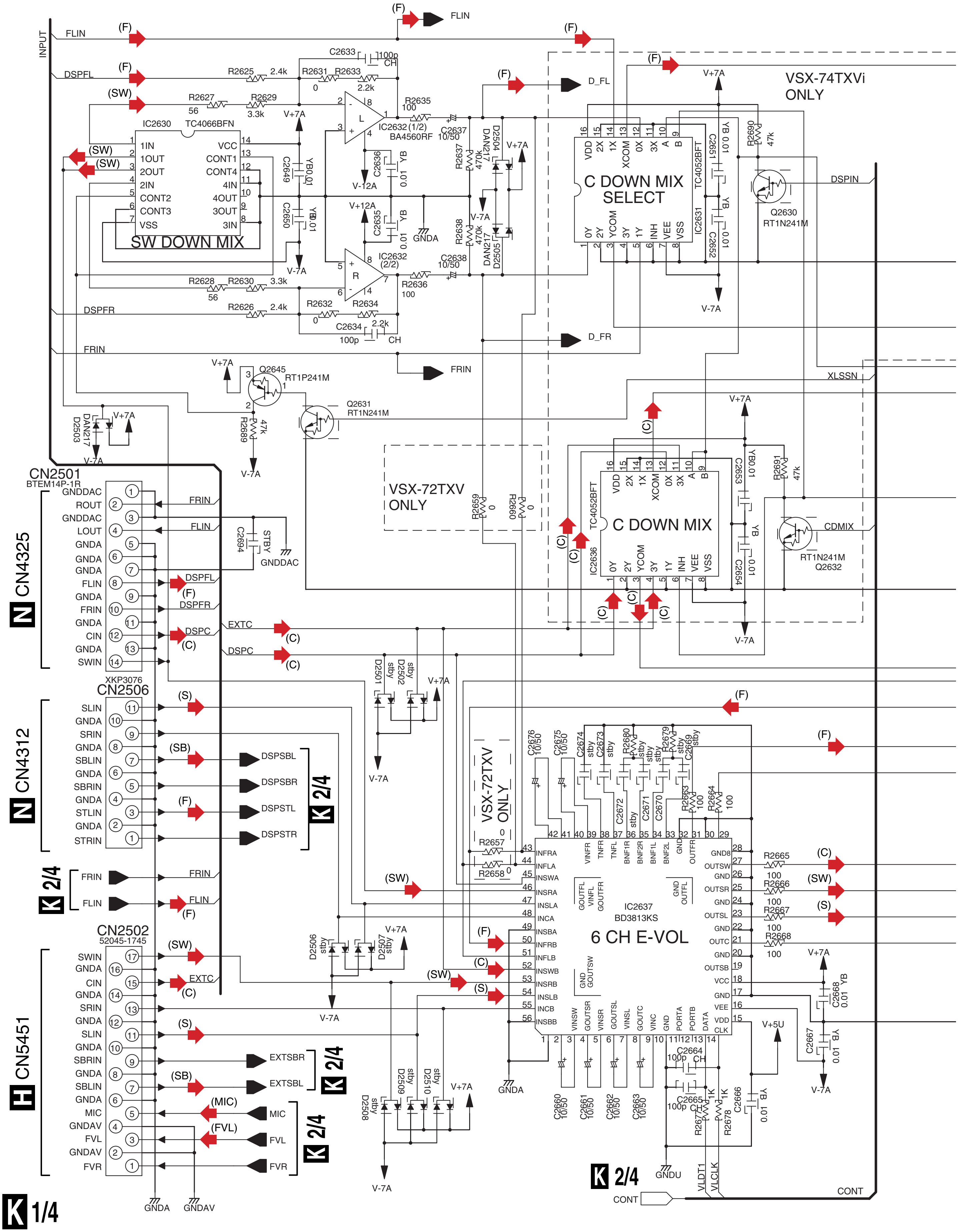
FS(C) : VIDEO SIGNAL ROUTE FS(C)

FS(Y) : VIDEO SIGNAL ROUTE FS(Y)

VCS(Y) : VIDEO SIGNAL ROUTE VCS(Y)

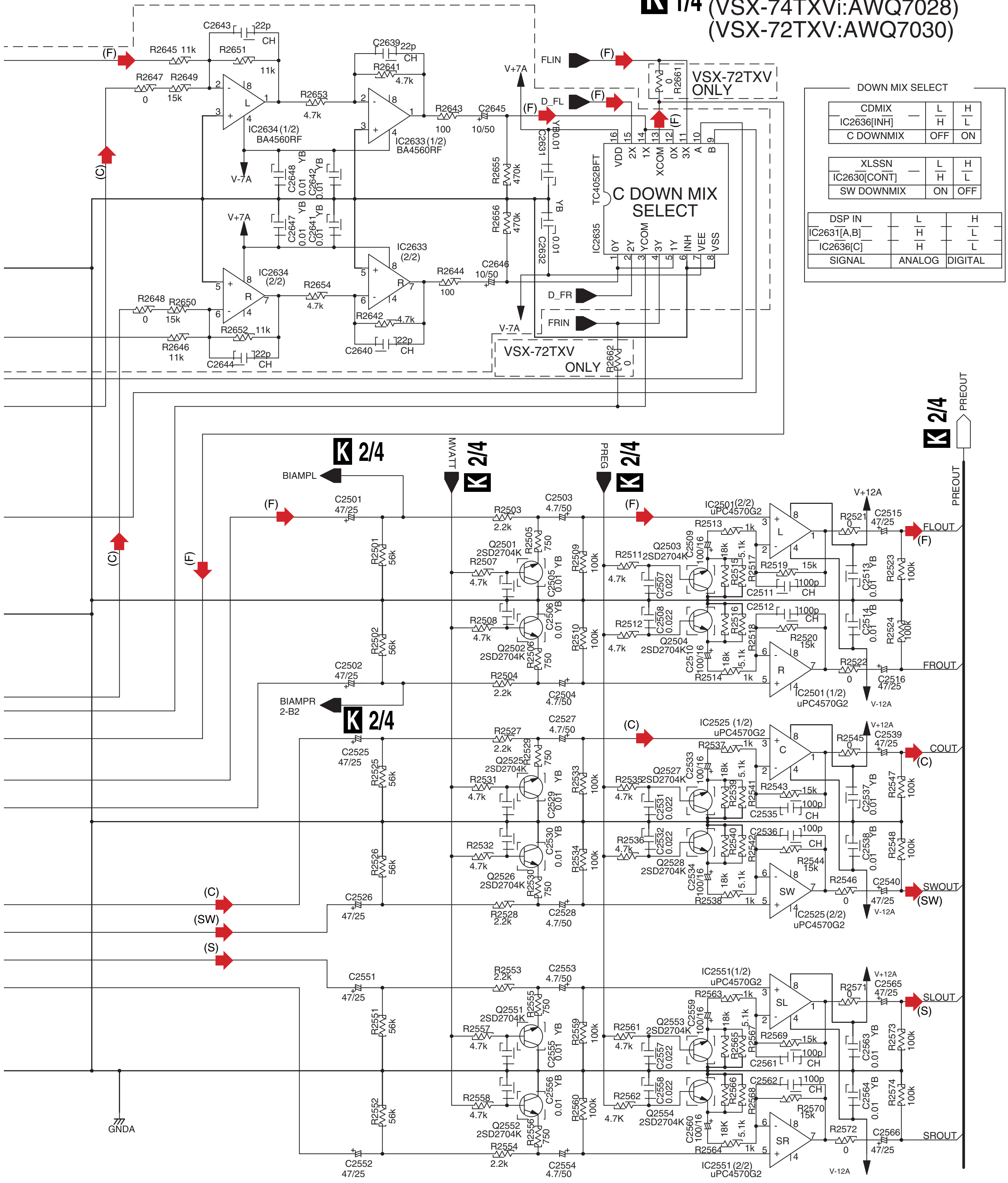
VCS(C) : VIDEO SIGNAL ROUTE VCS(C)

3.9 COMPONENT & VOL ASSY (1/4)



INPUT
FLIN
DSPFL
DSPFR
FRIN
(F)
(SW)
(C)
(S)
(SB)
(MIC)
(FVL)
IC2630 TC4066BFN
SW DOWN MIX
1IN
1OUT
2OUT
2IN
CONT2
CONT3
VSS
VCC
CONT1
CONT4
4IN
4OUT
3OUT
3IN
IC2632 (1/2) BA4560RF
IC2632 (2/2)
R2625 2.4k
R2626 2.4k
R2627 56
R2628 56
R2629 3.3k
R2630 3.3k
R2631 0
R2632 0
R2633 2.2k
R2634 2.2k
R2635 100
R2636 100
R2637 470k
R2638 470k
C2633 100p CH
C2634 100p CH
C2635 0.01 YB
C2636 0.01 YB
C2637 10/50
C2638 10/50
C2649 0.01 YB
C2650 0.01 YB
D2504 DAN217
D2505 DAN217
GNDA
V+7A
V-7A
V+12A
V-12A
D_FL
D_FR
VSX-74TXVi ONLY
IC2651 TC4052BFT
C DOWN MIX SELECT
VDD
2X
1X
XCOM
0X
3X
A
B
0Y
2Y
YCOM
3Y
1Y
INH
VEE
VSS
C2651 0.01 YB
C2652 0.01 YB
R2690 47k
Q2630 RT1N241M
DSPIN
XLSSN
Q2645 RT1P241M
Q2631 RT1N241M
R2689 47k
D2503 DAN217
VSX-72TXV ONLY
R2659 0
R2660 0
IC2636 TC4052BFT
C DOWN MIX
C2653 0.01 YB
C2654 0.01 YB
R2691 47k
Q2632 RT1N241M
CDMIX
CN2501 BTEM14P-1R
GNDDAC
ROUT
LOUT
GNDA
FLIN
FRIN
CIN
SWIN
C2694 STBY
GNDDAC
N CN4325
EXTC
DSPC
D2501 stby
D2502 stby
CN2506 XKP3076
SLIN
SRIN
SBLIN
SBRIN
STLIN
STRIN
DSPSBL
DSPSBR
DSPSTL
DSPSTR
N CN4312
K 2/4
CN2502 52045-1745
SWIN
CIN
SRIN
SLIN
SBRIN
SBLIN
MIC
GNDAV
FVL
FVR
EXTSBR
EXTSBL
H CN5451
D2506 stby
D2507 stby
D2508 stby
D2509 stby
D2510 stby
VSX-72TXV ONLY
R2657 0
R2658 0
C2676 10/50
C2675 10/50
C2674 stby
C2673 stby
C2672 stby
C2671 stby
C2670 stby
C2669 stby
R2680 stby
R2679 stby
R2663 100
R2664 100
IC2637 BD3813KS
6 CH E-VOL
INFRA
INFLA
INSWA
INSRA
INSLA
INCA
INSBA
INFRB
INFLB
INSWB
INSRB
INSLB
INCB
INSBB
GND8
OUTSW
OUTSR
OUTSL
OUTC
OUTSB
VCC
GND
VEE
VDD
CLK
DATA
PORTA
PORTB
R2665 100
R2666 100
R2667 100
R2668 100
C2668 0.01 YB
C2667 0.01 YB
V+5U
C2660 10/50
C2661 10/50
C2662 10/50
C2663 10/50
C2664 100p CH
C2665 100p CH
C2666 0.01 YB
R2677 1K
R2678 1K
GNDU
VLDT1
VLCLK
CONT
K 2/4
GNDA
GNDAV
K 1/4

K 1/4 COMPONENT & VOL ASSY
(VSX-74TXVi:AWQ7028)
(VSX-72TXV:AWQ7030)


(F)
R2645 11k
R2651
C2643 22p CH
11k
R2647 R2649
0 15k
IC2634 (1/2) BA4560RF
C2639 22p CH
R2641 4.7k
R2653 4.7k
IC2633 (1/2) BA4560RF
V+7A
V-7A
C2648 0.01 YB
C2642 0.01 YB
C2647 0.01 YB
C2641 0.01 YB
R2643 100
C2645 10/50
FLIN
D_FL
R2661 0
VSX-72TXV ONLY
C2631 YB 0.01
R2655 470k
R2656 470k
C2632 YB 0.01
TC4052BFT
IC2635
C DOWN MIX SELECT
VDD 2X 1X XCOM 0X 3X A B
0Y 2Y YCOM 3Y 1Y INH VEE VSS
IC2633 (2/2)
IC2634 (2/2)
R2654 4.7k
R2644 100
C2646 10/50
R2648 0
R2650 15k
R2646 11k
R2652 11k
C2644 22p CH
R2642 4.7k
C2640 22p CH
D_FR
FRIN
VSX-72TXV ONLY
R2662 0
(C)
K 2/4
BIAMPL
MVATT
PREG
PREOUT
C2501 47/25
R2501 56k
R2502 56k
C2502 47/25
BIAMPR 2-B2
R2503 2.2k
C2503 4.7/50
Q2501 2SD2704K
R2505 750
R2507 4.7k
C2505 0.01 YB
R2509 100k
R2511 4.7k
Q2503 2SD2704K
C2509 100/16
C2507 0.022
R2513 1k
R2515 18k
R2517 5.1k
IC2501(2/2) uPC4570G2
L
R2519 15k
C2511 100p CH
R2521 0
C2515 47/25
V+12A
FLOUT
(F)
C2513 0.01 YB
R2523 100k
R2508 4.7k
C2506 0.01 YB
Q2502 2SD2704K
R2506 750
R2510 100k
R2512 4.7k
C2508 0.022
Q2504 2SD2704K
C2510 100/16
R2514 1k
R2516 18k
R2518 5.1k
C2512 100p CH
R2520 15k
R
IC2501 (1/2) uPC4570G2
R2522 0
C2516 47/25
FROUT
C2514 0.01 YB
R2524 100k
V-12A
R2504 2.2k
C2504 4.7/50
C2525 47/25
R2525 56k
R2526 56k
C2526 47/25
R2527 2.2k
C2527 4.7/50
Q2525 2SD2704K
R2529 750
R2531 4.7k
C2529 0.01 YB
R2533 100k
R2535 4.7k
Q2527 2SD2704K
C2533 100/16
C2531 0.022
R2537 1k
R2539 18k
R2541 5.1k
IC2525 (1/2) uPC4570G2
C
R2543 15k
C2535 100p CH
R2545 0
C2539 47/25
COUT
(C)
C2537 0.01 YB
R2547 100k
R2532 4.7k
C2530 0.01 YB
Q2526 2SD2704K
R2530 750
R2534 100k
R2536 4.7k
C2532 0.022
Q2528 2SD2704K
C2534 100/16
R2538 1k
R2540 18k
R2542 5.1k
C2536 100p CH
R2544 15k
SW
IC2525 (2/2) uPC4570G2
R2546 0
C2540 47/25
SWOUT
(SW)
C2538 0.01 YB
R2548 100k
R2528 2.2k
C2528 4.7/50
(S)
C2551 47/25
R2551 56k
R2552 56k
C2552 47/25
R2553 2.2k
C2553 4.7/50
Q2551 2SD2704K
R2555 750
R2557 4.7k
C2555 0.01 YB
R2559 100k
R2561 4.7k
Q2553 2SD2704K
C2559 100/16
C2557 0.022
R2563 1k
R2565 18k
R2567 5.1k
IC2551(1/2) uPC4570G2
SL
R2569 15k
C2561 100p CH
R2571 0
C2565 47/25
SLOUT
C2563 0.01 YB
R2573 100k
R2558 4.7k
C2556 0.01 YB
Q2552 2SD2704K
R2556 750
R2560 100k
R2562 4.7K
C2558 0.022
Q2554 2SD2704K
C2560 100/16
R2564 1k
R2566 18K
R2568 5.1k
C2562 100p CH
R2570 15k
SR
IC2551 (2/2) uPC4570G2
R2572 0
C2566 47/25
SROUT
C2564 0.01 YB
R2574 100k
R2554 2.2k
C2554 4.7/50
GNDA

DOWN MIX SELECT

CDMIX	L	H
IC2636[INH]	H	L
C DOWNMIX	OFF	ON

XLSSN	L	H
IC2630[CONT]	H	L
SW DOWNMIX	ON	OFF

DSP IN	L	H
IC2631[A,B]	H	L
IC2636[C]	H	L
SIGNAL	ANALOG	DIGITAL

(F) : AUDIO SIGNAL ROUTE(F)

(C) : AUDIO SIGNAL ROUTE(C)

(S) : AUDIO SIGNAL ROUTE(S)

(SW) : AUDIO SIGNAL ROUTE(SW)

(MIC) : AUDIO SIGNAL ROUTE(MIC)

(FVL) : AUDIO SIGNAL ROUTE(VIDEO2)

(SB) : AUDIO SIGNAL ROUTE(SB)

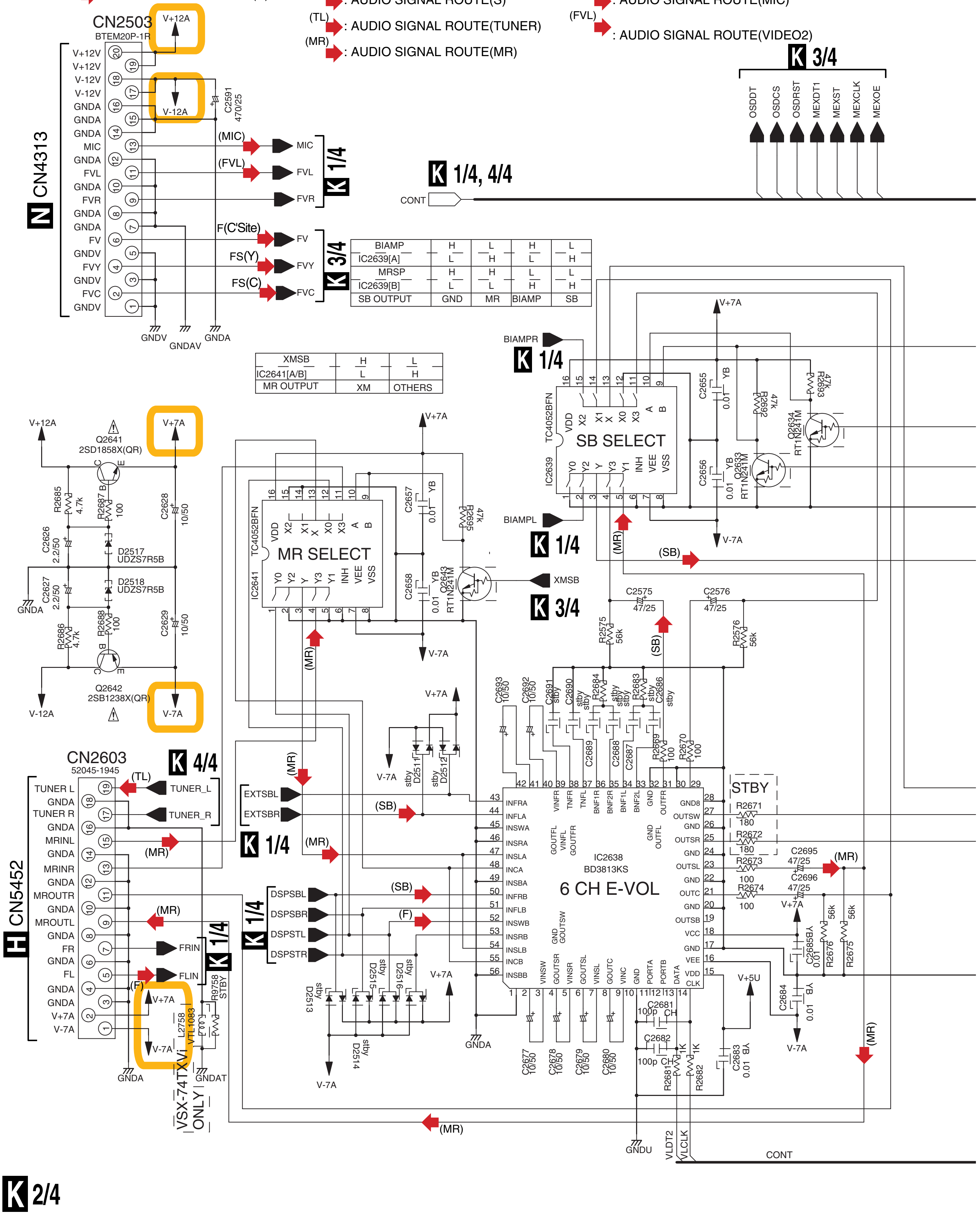
K 1/4

3.10 COMPONENT & VOL ASSY (2/4)

F(C'Site) : VIDEO SIGNAL ROUTE F(C'Site)
FS(C) : VIDEO SIGNAL ROUTE FS(C)
FS(Y) : VIDEO SIGNAL ROUTE FS(Y)

(F) : AUDIO SIGNAL ROUTE(F)
(C) : AUDIO SIGNAL ROUTE(C)
(S) : AUDIO SIGNAL ROUTE(S)
(TL) : AUDIO SIGNAL ROUTE(TUNER)
(MR) : AUDIO SIGNAL ROUTE(MR)

(SB) : AUDIO SIGNAL ROUTE(SB)
(SW) : AUDIO SIGNAL ROUTE(SW)
(MIC) : AUDIO SIGNAL ROUTE(MIC)
(FVL) : AUDIO SIGNAL ROUTE(VIDEO2)

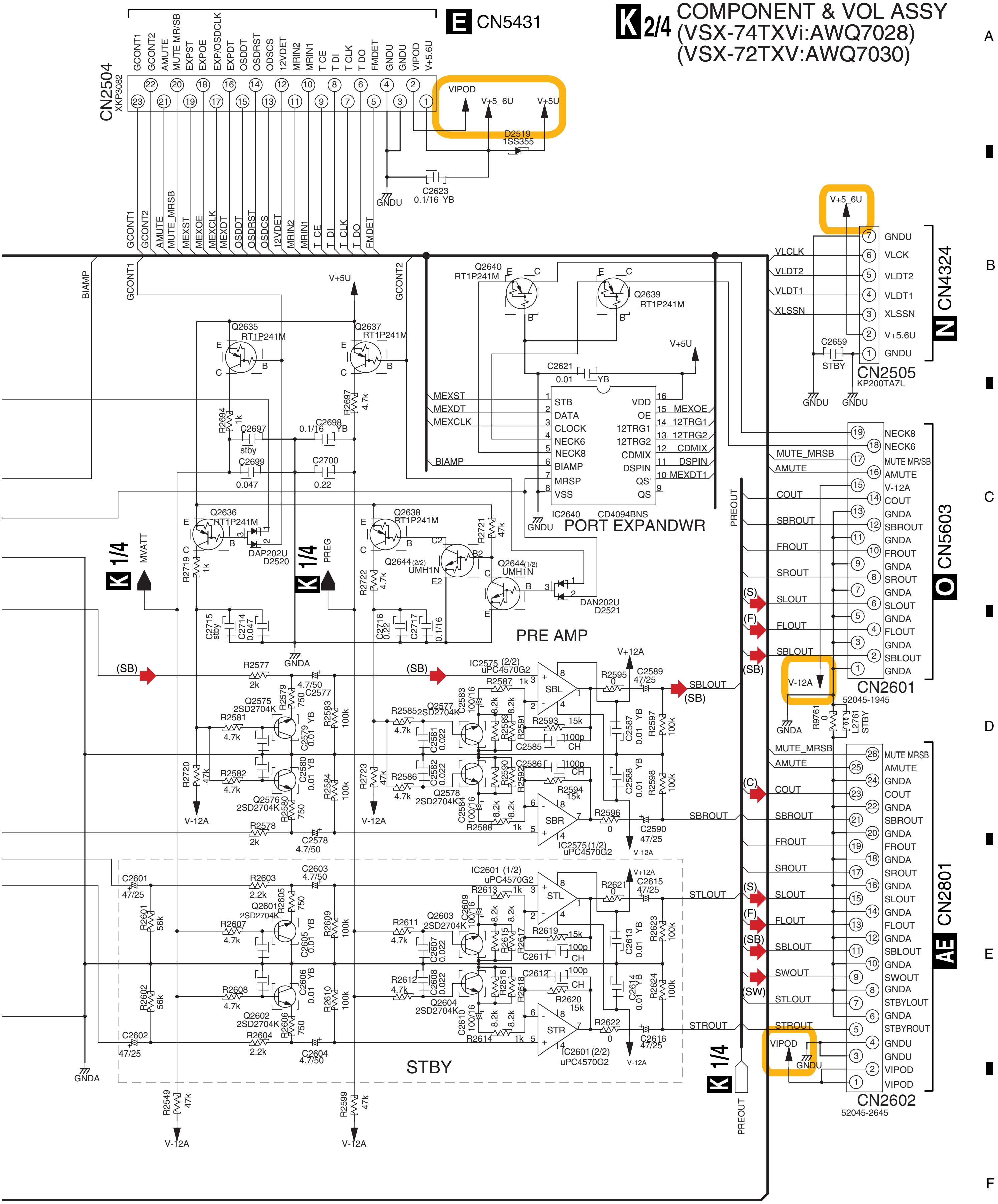


CN2503
BTEM20P-1R
V+12A
V-12A
C2591 470/25
N CN4313
V+12V V+12V V-12V V-12V GNDA GNDA GNDA MIC GNDA FVL GNDA FVR GNDA GNDA FV GNDV FVY GNDV FVC GNDV
(MIC) MIC
(FVL) FVL
FVR
K 1/4
F(C'Site) FV
FS(Y) FVY
FS(C) FVC
K 3/4
GNDV GNDAV GNDA
K 3/4
OSDDT OSDCS OSDRST MEXDT1 MEXST MEXCLK MEXOE
K 1/4, 4/4
CONT
V+7A
BIAMPR
K 1/4
IC2639 TC4052BFN
SB SELECT
VDD X2 X1 X X0 X3 A B Y0 Y2 Y Y3 Y1 INH VEE VSS
C2655 0.01 YB
C2656 0.01 YB
R2692 47k
R2693 47k
Q2634 RT1N241M
Q2633 RT1N241M
BIAMPL
K 1/4
(MR) (SB)
V-7A
XMSB
K 3/4
C2575 47/25
C2576 47/25
R2575 56k
R2576 56k
V+12A
Q2641 2SD1858X(QR)
V+7A
R2685 4.7k
R2687 100
C2628 10/50
C2626 2.2/50
D2517 UDZS7R5B
D2518 UDZS7R5B
C2627 2.2/50
GNDA
R2686 4.7k
R2688 100
C2629 10/50
Q2642 2SB1238X(QR)
V-12A
V-7A
IC2641 TC4052BFN
MR SELECT
C2657 0.01 YB
C2658 0.01 YB
R2695 47k
Q2643 RT1N241M
V-7A
V+7A
C2693 10/50
C2692 10/50
C2691 stby
C2690 stby
R2684 stby
R2683 stby
C2686 stby
C2689 C2688 C2687
R2669 100
R2670 100
D2511 stby
D2512 stby
V-7A
CN2603
52045-1945
K 4/4
(TL)
TUNER_L
TUNER_R
H CN5452
TUNER L GNDA TUNER R GNDA MRINL GNDA MRINR GNDA MROUTR GNDA MROUTL GNDA FR GNDA FL GNDA GNDA V+7A V-7A
(MR)
EXTSBL
EXTSBR
K 1/4
(SB)
(MR)
DSPSBL
DSPSBR
DSPSTL
DSPSTR
K 1/4
(SB) (F)
FRIN
FLIN
K 1/4
(F)
V+7A
V-7A
L2758 VTL1083
R9758 STBY
VSX-74TXVi ONLY
GNDA GNDAT
D2513 stby
D2515 stby
D2516 stby
D2514 stby
V-7A
V+7A
IC2638 BD3813KS
6 CH E-VOL
INFRA INFLA INSWA INSRA INSLA INCA INSBA INFRB INFLB INSWB INSRB INSLB INCB INSBB
VINFR TNFR TNFL BNF1R BNF1L BNF2R BNF2L GND OUTFR
GOUTFL VINFL GOUTFR GND OUTFL
GND8 OUTSW GND OUTSR GND OUTSL GND OUTC GND OUTSB VCC GND VEE VDD CLK
GND GOUTSW
VINSW GOUTSR VINSR GOUTSL VINSL GOUTC VINC GND PORTA PORTB DATA
STBY
R2671 180
R2672 180
R2673 100
R2674 100
C2695 47/25
C2696 47/25
(MR)
V+7A
R2676 56k
R2675 56k
C2685 0.01 YB
C2684 0.01 YB
V+5U
V-7A
(MR)
GNDA
C2677 10/50
C2678 10/50
C2679 10/50
C2680 10/50
C2681 100p CH
C2682 100p CH
R2681 1K
R2682 1K
C2683 0.01 YB
(MR)
GNDU
VLDT2
VLCLK
CONT
K 2/4

BIAMP	H	L	H	L
IC2639[A]	L	H	L	H
MRSP	H	H	L	L
IC2639[B]	L	L	H	H
SB OUTPUT	GND	MR	BIAMP	SB

XMSB	H	L
IC2641[A/B]	L	H
MR OUTPUT	XM	OTHERS

K 2/4 COMPONENT & VOL ASSY
(VSX-74TXVi:AWQ7028)
(VSX-72TXV:AWQ7030)


E CN5431
CN2504 XKP3082
GCONT1
GCONT2
AMUTE
MUTE MR/SB
EXPST
EXPOE
EXP/OSDCLK
EXPDT
OSDDT
OSDRST
ODSCS
12VDET
MRIN2
MRIN1
T CE
T DI
T CLK
T DO
FMDET
GNDU
VIPOD
V+5.6U
VIPOD
V+5_6U
V+5U
D2519 1SS355
C2623 0.1/16 YB
GNDU
MUTE_MRSB
MEXST
MEXOE
MEXCLK
MEXDT
OSDDT
OSDRST
OSDCS
12VDET
BIAMP
V+5U
Q2635 RT1P241M
Q2637 RT1P241M
Q2640 RT1P241M
Q2639 RT1P241M
R2694 1k
R2697 4.7k
C2697 stby
C2698 0.1/16 YB
C2699 0.047
C2700 0.22
C2621 0.01 YB
IC2640 CD4094BNS
PORT EXPANDWR
STB
DATA
CLOCK
NECK6
NECK8
BIAMP
MRSP
VSS
VDD
OE
12TRG1
12TRG2
CDMIX
DSPIN
QS'
QS
MEXOE
12TRG1
12TRG2
CDMIX
DSPIN
MEXDT1
Q2636 RT1P241M
Q2638 RT1P241M
DAP202U D2520
DAN202U D2521
Q2644 (2/2) UMH1N
Q2644 (1/2) UMH1N
R2719 1k
R2721 47k
R2722 4.7k
C2715 stby
C2714 0.047
C2716 0.22
C2717
0.1/16
K 1/4 MVATT
K 1/4 PREG
PRE AMP
PREOUT
GNDA
(SB)
R2577 2k
C2577 4.7/50
Q2575 2SD2704K
R2579 750
R2581 4.7k
C2579 0.01 YB
R2583 100k
R2720 47k
R2582 4.7k
C2580 0.01 YB
R2584 100k
Q2576 2SD2704K
R2580 750
R2578 2k
C2578 4.7/50
V-12A
IC2575 (2/2) uPC4570G2
SBL
R2587 1k
R2585
Q2577 2SD2704K
C2583 100/16
R2589 8.2k
R2591 8.2k
R2593 15k
C2585 100p CH
C2581 0.022
R2723 47k
R2586 4.7k
C2582 0.022
Q2578 2SD2704K
C2584 100/16
R2590
R2592
C2586 100p CH
R2594 15k
R2588 1k
SBR
IC2575 (1/2) uPC4570G2
V+12A
R2595 0
C2589 47/25
C2587 0.01 YB
R2597 100k
C2588 0.01 YB
R2598 100k
R2596 0
C2590 47/25
SBLOUT
SBROUT
C2601 47/25
R2601 56k
R2603 2.2k
C2603 4.7/50
Q2601 2SD2704K
R2605 750
R2607 4.7k
C2605 0.01 YB
R2609 100k
R2602 56k
R2608 4.7k
C2606 0.01 YB
R2610 100k
Q2602 2SD2704K
R2606 750
C2602 47/25
R2604 2.2k
C2604 4.7/50
IC2601 (1/2) uPC4570G2
STL
R2613 1k
R2611 4.7k
Q2603 2SD2704K
C2609 100/16
R2615 8.2k
R2617 8.2k
R2619 15k
C2611 100p CH
C2607 0.022
R2612 4.7k
C2608 0.022
Q2604 2SD2704K
C2610 100/16
R2616 8.2k
R2618 8.2k
C2612 100p CH
R2620 15k
R2614 1k
STR
IC2601 (2/2) uPC4570G2
R2621 0
C2615 47/25
C2613 0.01 YB
R2623 100k
C2614 0.01 YB
R2624 100k
R2622 0
C2616 47/25
STLOUT
STROUT
STBY
R2549 47k
R2599 47k
K 1/4 PREOUT
V+5_6U
CN4324 N
CN2505 KP200TA7L
GNDU
VLCLK
VLDT2
VLDT1
XLSSN
V+5.6U
C2659 STBY
CN5603 O
CN2601 52045-1945
NECK8
NECK6
MUTE MR/SB
AMUTE
V-12A
COUT
GNDA
SBROUT
FROUT
SROUT
SLOUT
FLOUT
SBLOUT
(S)
(F)
(SB)
(C)
(SW)
R9761 0
L2761 STBY
CN2801 AE
CN2602 52045-2645
AMUTE
GNDA
COUT
SBROUT
FROUT
SROUT
SLOUT
FLOUT
SBLOUT
SWOUT
STBYLOUT
STBYROUT
GNDU
VIPOD
A
B
C
D
E
F

3.11 COMPONENT & VOL ASSY (3/4)

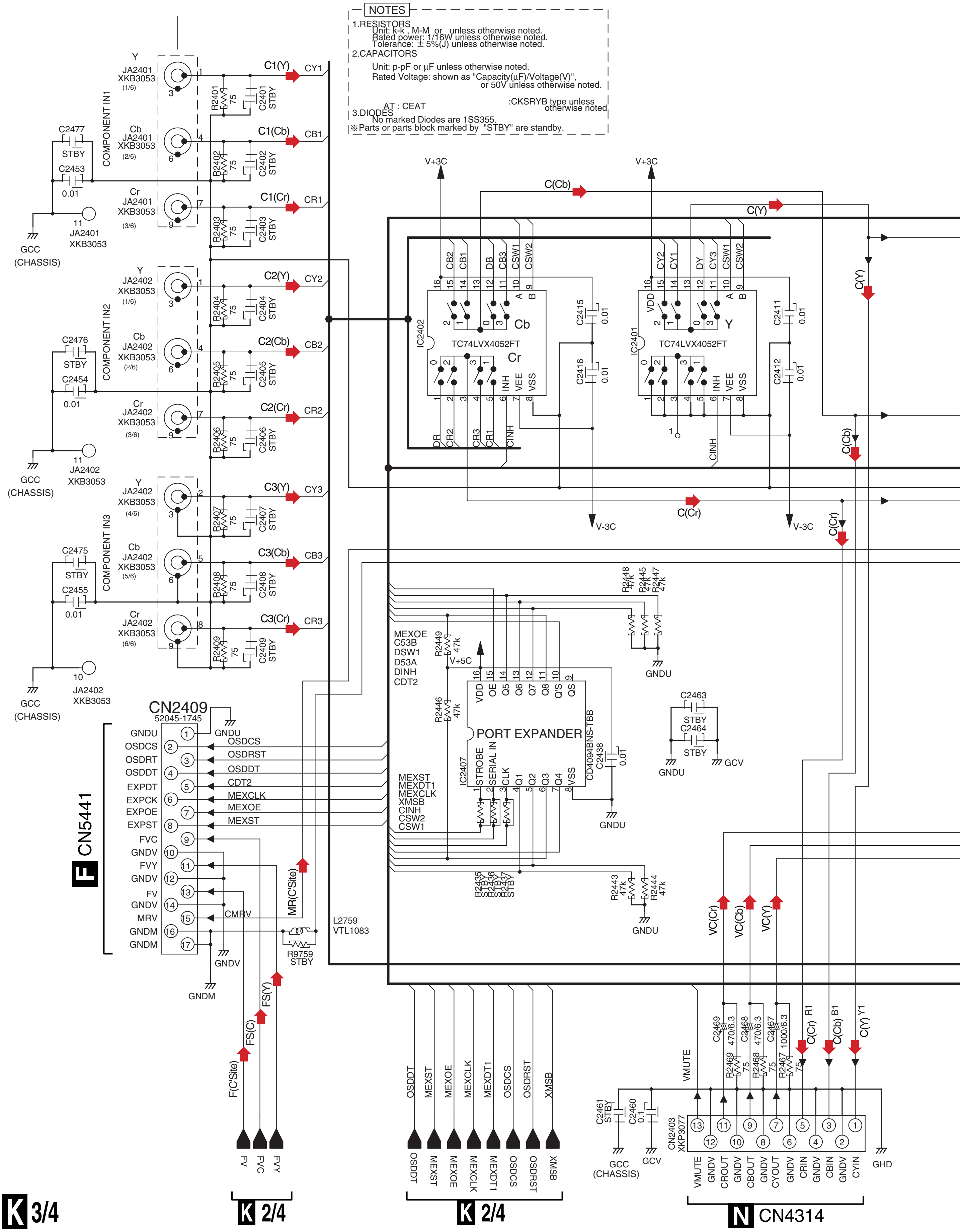
NOTES

1.RESISTORS
Unit: k-k , M-M or unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: ± 5%(J) unless otherwise noted.

2.CAPACITORS
Unit: p-pF or µF unless otherwise noted.
Rated Voltage: shown as "Capacity(µF)/Voltage(V)",
or 50V unless otherwise noted.
AT : CEAT :CKSRYB type unless otherwise noted.

3.DIODES
No marked Diodes are 1SS355.

※Parts or parts block marked by "STBY" are standby.

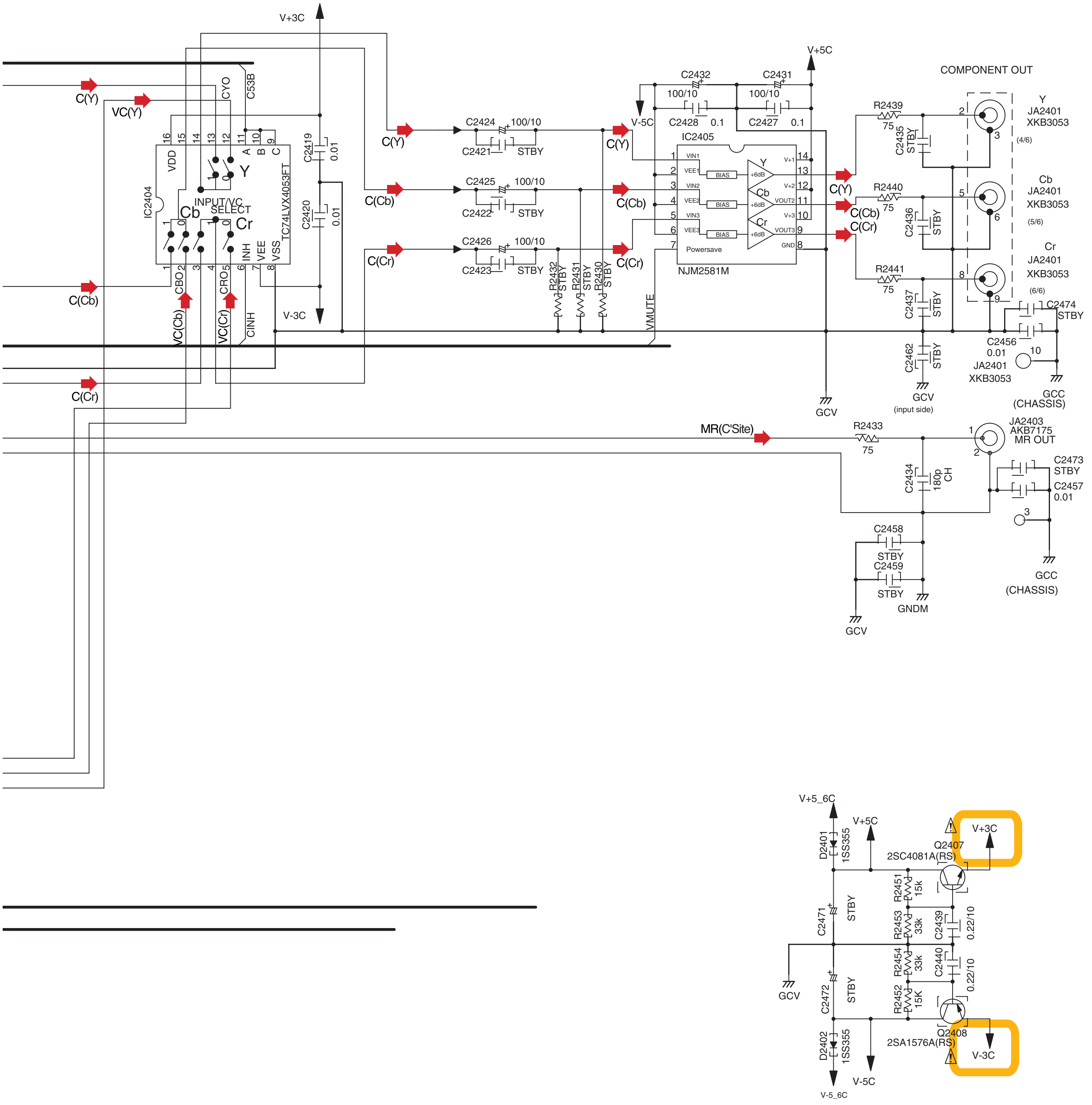


A
B
C
D
E
F
COMPONENT IN1
COMPONENT IN2
COMPONENT IN3
Y JA2401 XKB3053 (1/6)
Cb JA2401 XKB3053 (2/6)
Cr JA2401 XKB3053 (3/6)
11 JA2401 XKB3053
Y JA2402 XKB3053 (1/6)
Cb JA2402 XKB3053 (2/6)
Cr JA2402 XKB3053 (3/6)
11 JA2402 XKB3053
Y JA2402 XKB3053 (4/6)
Cb JA2402 XKB3053 (5/6)
Cr JA2402 XKB3053 (6/6)
10 JA2402 XKB3053
C2477 STBY
C2453 0.01
C2476 STBY
C2454 0.01
C2475 STBY
C2455 0.01
GCC (CHASSIS)
R2401 75
R2402 75
R2403 75
R2404 75
R2405 75
R2406 75
R2407 75
R2408 75
R2409 75
C2401 STBY
C2402 STBY
C2403 STBY
C2404 STBY
C2405 STBY
C2406 STBY
C2407 STBY
C2408 STBY
C2409 STBY
C1(Y) CY1
C1(Cb) CB1
C1(Cr) CR1
C2(Y) CY2
C2(Cb) CB2
C2(Cr) CR2
C3(Y) CY3
C3(Cb) CB3
C3(Cr) CR3
V+3C
V-3C
C(Cb)
C(Y)
C(Cr)
IC2402 TC74LVX4052FT
IC2401 TC74LVX4052FT
CB2 CB1 DB CB3 CSW1 CSW2
CY2 CY1 DY CY3 CSW1 CSW2
VDD INH VEE VSS A B
Cb Cr Y
DR CR2 CR3 CR1 CINH
CINH
C2415 0.01
C2416 0.01
C2411 0.01
C2412 0.01
R2448 47k
R2445 47k
R2447 47k
GNDU
MEXOE C53B DSW1 D53A DINH CDT2
R2449 47k
V+5C
R2446 47k
VDD OE Q5 Q6 Q7 Q8 Q'S QS
PORT EXPANDER
IC2407 CD4094BNS-TBB
STROBE SERIAL IN CLK Q1 Q2 Q3 Q4 VSS
C2438 0.01
MEXST MEXDT1 MEXCLK XMSB CINH CSW2 CSW1
R2435 STBY
R2436 STBY
R2437 STBY
R2443 47k
R2444 47k
C2463 STBY
C2464 STBY
GCV
CN2409 52045-1745
GNDU OSDCS OSDRT OSDDT EXPDT EXPCK EXPOE EXPST FVC GNDV FVY GNDV FV GNDV MRV GNDM GNDM
OSDCS OSDRST OSDDT CDT2 MEXCLK MEXOE MEXST
CMRV
MR(C'Site)
L2759 VTL1083
R9759 STBY
GNDV
GNDM
F CN5441
F(C'Site) FS(C) FS(Y)
FV FVC FVY
K 2/4
OSDDT MEXST MEXOE MEXCLK MEXDT1 OSDCS OSDRST XMSB
K 2/4
VC(Cr) VC(Cb) VC(Y)
VMUTE
C2469 470/6.3
C2468 470/6.3
C2467 1000/6.3
R2469 75
R2468 75
R2467 75
C(Cr) R1
C(Cb) B1
C(Y) Y1
C2461 STBY
C2460 0.1
GCC (CHASSIS)
GCV
CN2403 XKP3077
VMUTE GNDV CROUT GNDV CBOUT GNDV CYOUT GNDV CRIN GNDV CBIN GNDV CYIN
GHD
N CN4314
K 3/4

C1(Y) ➡ : VIDEO SIGNAL ROUTE C1(Y)
C1(Cb) ➡ : VIDEO SIGNAL ROUTE C1(Cb)
C1(Cr) ➡ : VIDEO SIGNAL ROUTE C1(Cr)
C2(Y) ➡ : VIDEO SIGNAL ROUTE C2(Y)
C2(Cb) ➡ : VIDEO SIGNAL ROUTE C2(Cb)
C2(Cr) ➡ : VIDEO SIGNAL ROUTE C2(Cr)
C3(Y) ➡ : VIDEO SIGNAL ROUTE C3(Y)
C3(Cb) ➡ : VIDEO SIGNAL ROUTE C3(Cb)
C3(Cr) ➡ : VIDEO SIGNAL ROUTE C3(Cr)

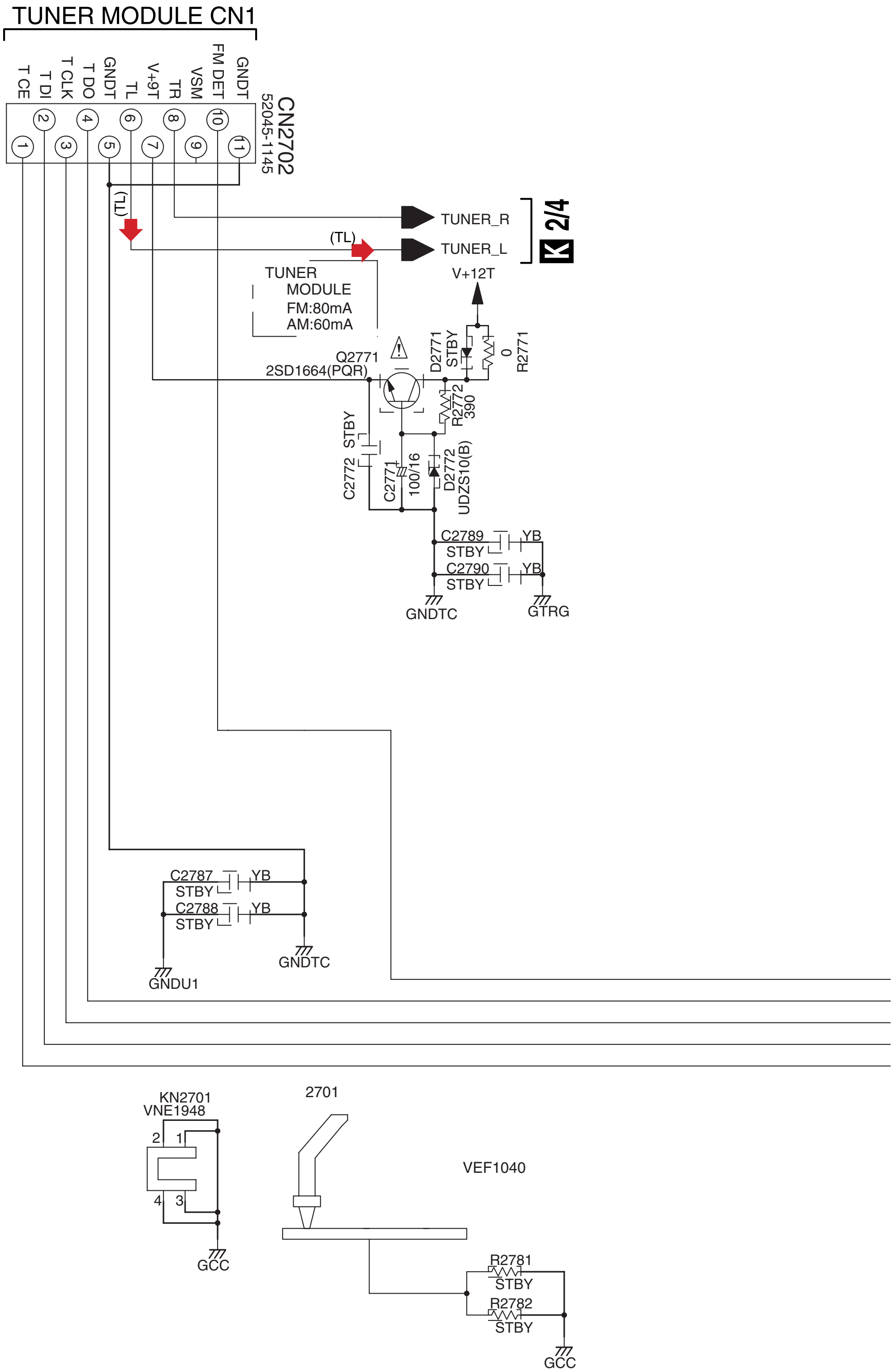
MR(C'Site) ➡ : VIDEO SIGNAL ROUTE MR(C'Site)
F(C'Site) ➡ : VIDEO SIGNAL ROUTE F(C'Site)
FS(C) ➡ : VIDEO SIGNAL ROUTE FS(C)
FS(Y) ➡ : VIDEO SIGNAL ROUTE FS(Y)
C(Y) ➡ : VIDEO SIGNAL ROUTE C(Y)
C(Cb) ➡ : VIDEO SIGNAL ROUTE C(Cb)
C(Cr) ➡ : VIDEO SIGNAL ROUTE C(Cr)
VC(Cr) ➡ : VIDEO SIGNAL ROUTE VC(Cr)
VC(Cb) ➡ : VIDEO SIGNAL ROUTE VC(Cb)
VC(Y) ➡ : VIDEO SIGNAL ROUTE VC(Y)

K 3/4 COMPONENT & VOL ASSY (VSX-74TXVi:AWQ7028) (VSX-72TXV:AWQ7030)


V+3C
C(Y)
VC(Y)
C(Cb)
C(Cr)
IC2404
TC74LVX4053FT
VDD
INPUT/VC SELECT
Y
Cb
Cr
INH
VEE
VSS
CYO
C53B
CBO
CRO
VC(Cb)
VC(Cr)
CINH
C2419 0.01
C2420 0.01
V-3C
C2424 100/10
C2421 STBY
C2425 100/10
C2422 STBY
C2426 100/10
C2423 STBY
R2432 STBY
R2431 STBY
R2430 STBY
VMUTE
V+5C
V-5C
C2432 100/10
C2431 100/10
C2428 0.1
C2427 0.1
IC2405
NJM2581M
VIN1
VEE1
VIN2
VEE2
VIN3
VEE3
Powersave
BIAS
+6dB
V+1
V+2
V+3
VOUT2
VOUT3
GND
COMPONENT OUT
R2439 75
R2440 75
R2441 75
C2435 STBY
C2436 STBY
C2437 STBY
C2462 STBY
JA2401 XKB3053
(4/6)
(5/6)
(6/6)
C2474 STBY
C2456 0.01
GCV
GCV (input side)
GCC (CHASSIS)
MR(C'Site)
R2433 75
JA2403 AKB7175 MR OUT
C2434 180p CH
C2473 STBY
C2457 0.01
C2458 STBY
C2459 STBY
GNDM
V+5_6C
D2401 1SS355
Q2407 2SC4081A(RS)
R2451 15k
R2453 33k
C2439 0.22/10
C2471 STBY
R2454 33k
C2440 0.22/10
C2472 STBY
R2452 15K
Q2408 2SA1576A(RS)
D2402 1SS355
V-5C
V-5_6C

The mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

3.12 COMPONENT & VOL ASSY (4/4)


TUNER MODULE CN1
T CE
T DI
T CLK
T DO
GNDT
TL
V+9T
TR
VSM
FM DET
GNDT
1 2 3 4 5 6 7 8 9 10 11
CN2702
52045-1145
(TL)
(TL)
TUNER_R
TUNER_L
K 2/4
V+12T
TUNER
MODULE
FM:80mA
AM:60mA
Q2771
2SD1664(PQR)
D2771
STBY
0
R2771
R2772
390
C2772 STBY
C2771
100/16
D2772
UDZS10(B)
C2789 YB
STBY
C2790 YB
STBY
GNDTC
GTRG
C2787 YB
STBY
C2788 YB
STBY
GNDTC
GNDU1
KN2701
VNE1948
2 1
4 3
GCC
2701
VEF1040
R2781
STBY
R2782
STBY
GCC

NOTE

1.RESISTORS

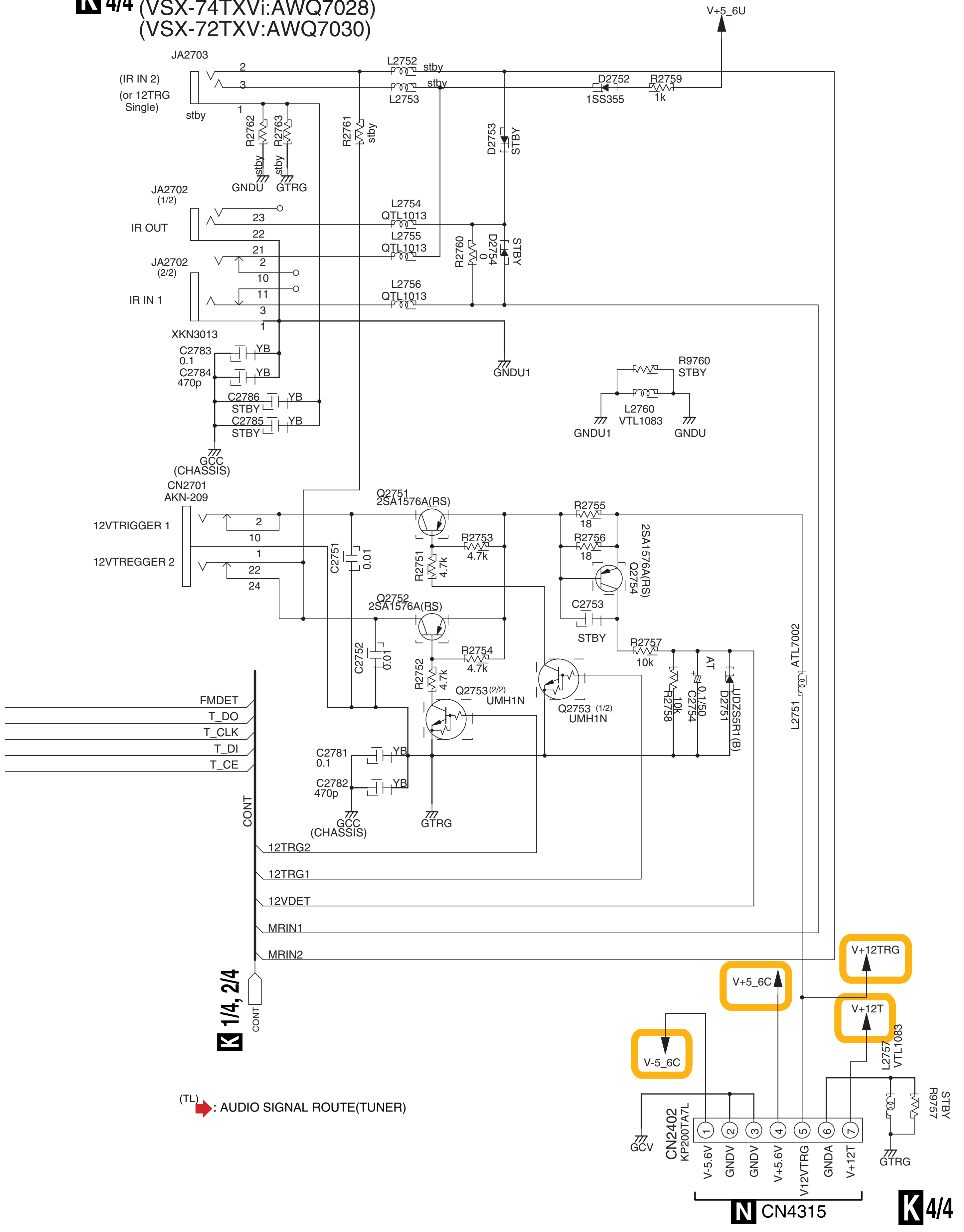
Unit: k-k , M-M or unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: (J) ±5% unless otherwise noted.

2.CAPACITORS

Unit: p-pF or µ F unless otherwise noted.
Ratings: Capacity(µF)/Voltage(V) unless otherwise noted.
Rated Voltage: 50V expect for electrolytic capacitors.

※Parts or parts block marked by "*" or "STBY" are standby.

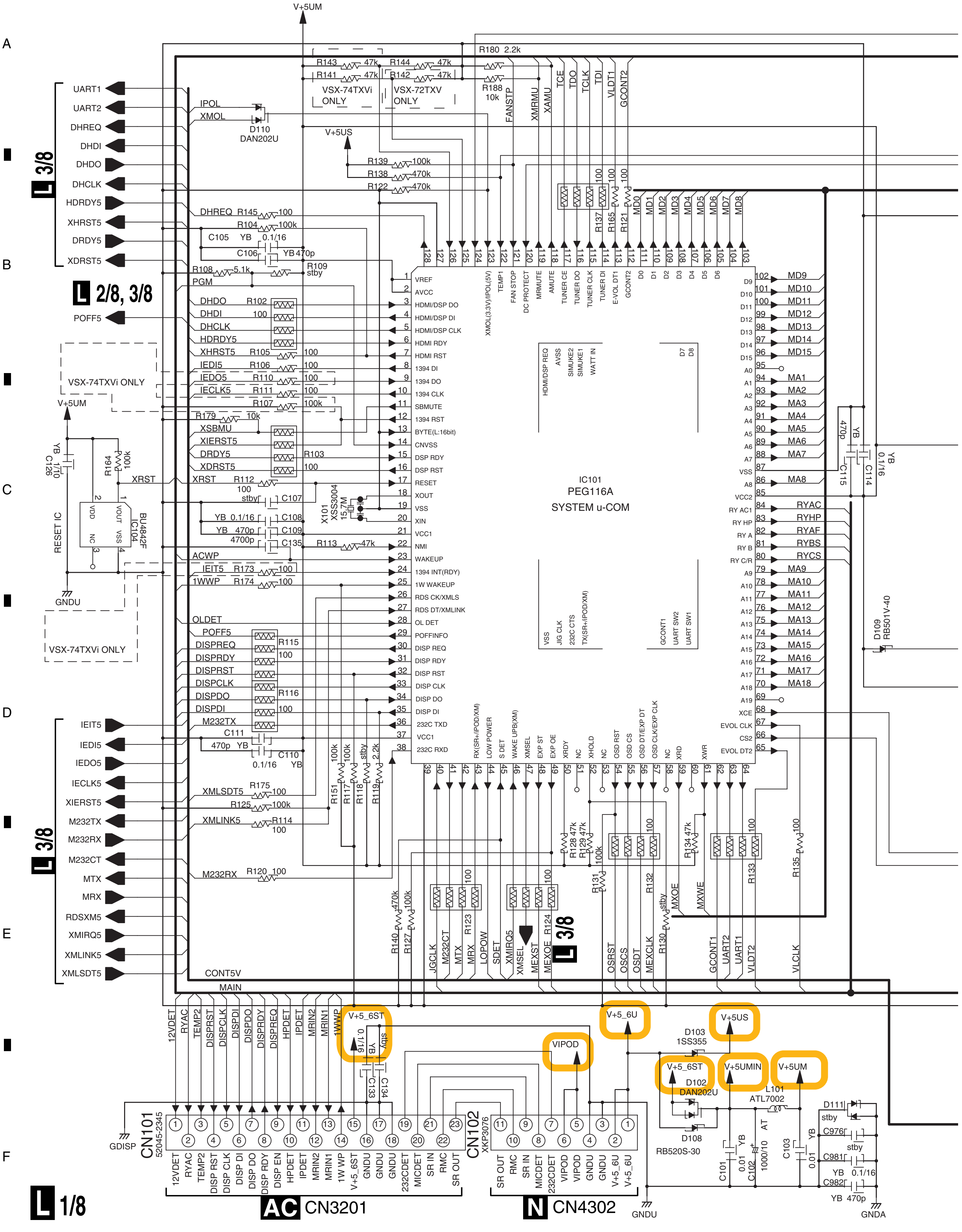
K 4/4 COMPONENT & VOL ASSY (VSX-74TXVi:AWQ7028) (VSX-72TXV:AWQ7030)



V+5_6U
JA2703
(IR IN 2)
(or 12TRG Single)
stby
2
3
1
L2752
stby
L2753
stby
D2752
1SS355
R2759
1k
R2762
R2763
stby
stby
GNDU
GTRG
R2761
stby
D2753
STBY
JA2702 (1/2)
IR OUT
23
22
21
L2754 QTL1013
L2755 QTL1013
R2760 0
D2754
STBY
JA2702 (2/2)
IR IN 1
2
10
11
3
1
L2756 QTL1013
XKN3013
C2783 0.1
YB
C2784 470p
YB
C2786 STBY
YB
C2785 STBY
YB
GCC (CHASSIS)
GNDU1
R9760 STBY
L2760 VTL1083
GNDU1
GNDU
CN2701 AKN-209
12VTRIGGER 1
12VTREGGER 2
2
10
1
22
24
Q2751 2SA1576A(RS)
C2751 0.01
R2751 4.7k
R2753 4.7k
R2755 18
R2756 18
2SA1576A(RS) Q2754
C2753 STBY
Q2752 2SA1576A(RS)
C2752 0.01
R2752 4.7k
R2754 4.7k
Q2753 (2/2) UMH1N
Q2753 (1/2) UMH1N
R2757 10k
R2758 10k
AT
C2754 0.1/50
D2751 UDZS5R1(B)
ATL7002
L2751
FMDET
T_DO
T_CLK
T_DI
T_CE
CONT
C2781 0.1
YB
C2782 470p
YB
GCC (CHASSIS)
GTRG
12TRG2
12TRG1
12VDET
MRIN1
MRIN2
K 1/4, 2/4
CONT
V+12TRG
V+5_6C
V+12T
V-5_6C
L2757 VTL1083
STBY R9757
GCV
CN2402 KP200TA7L
1 V-5.6V
2 GNDV
3 GNDV
4 V+5.6V
5 V12VTRG
6 GNDA
7 V+12T
GTRG
N CN4315
K 4/4

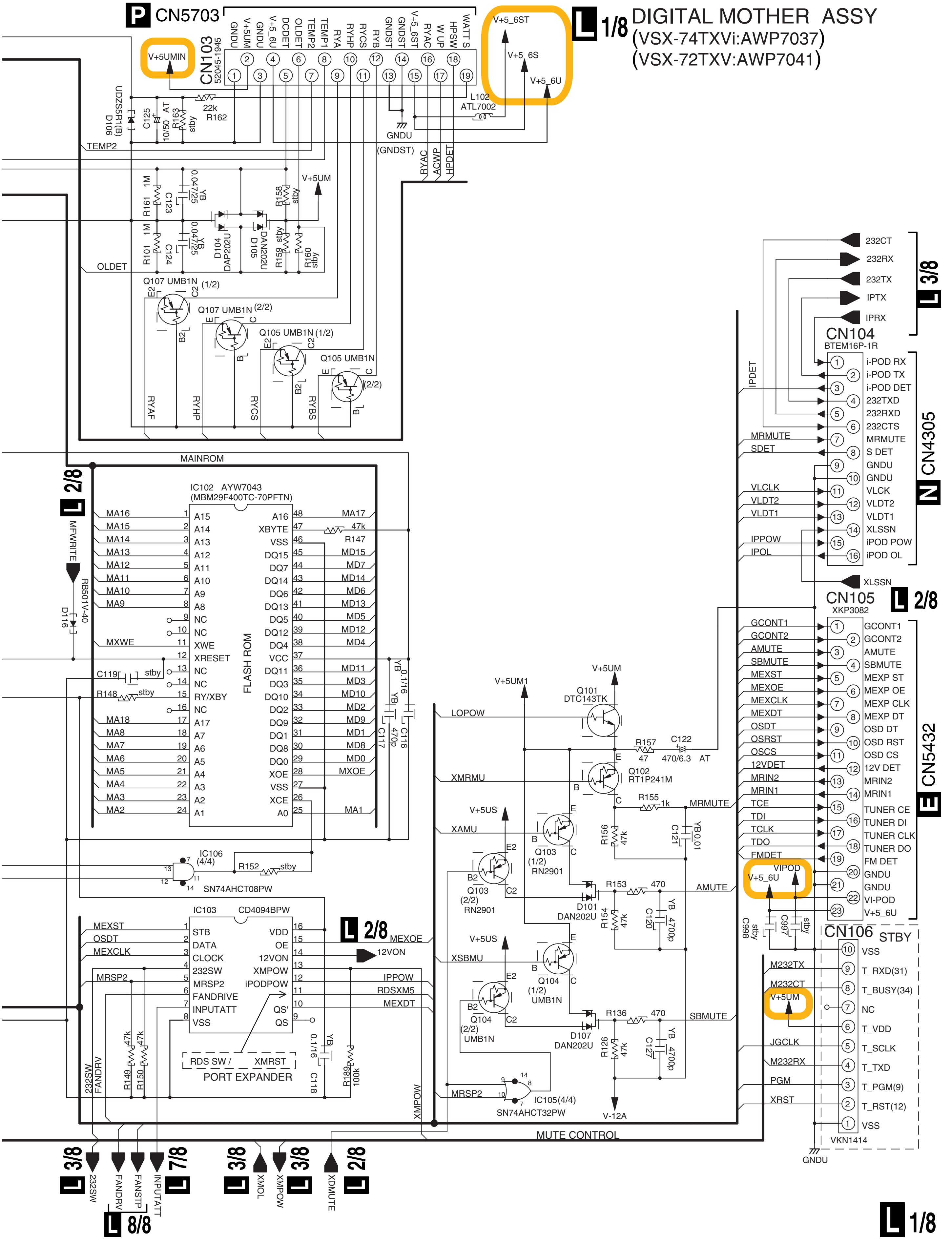
(TL) : AUDIO SIGNAL ROUTE(TUNER)

3.13 DIGITAL MOTHER ASSY (1/8)


A
B
C
D
E
F
V+5UM
L 3/8
UART1
UART2
DHREQ
DHDI
DHDO
DHCLK
HDRDY5
XHRST5
DRDY5
XDRST5
L 2/8, 3/8
POFF5
VSX-74TXVi ONLY
V+5UM
YB 1/10 C126
R164 100k
XRST
RESET IC
VDD VOUT NC VSS
BU4842F IC104
GNDU
VSX-74TXVi ONLY
R180 2.2k
R143 47k
R144 47k
R141 47k
R142 47k
VSX-74TXVi ONLY
VSX-72TXV ONLY
R188 10k
IPOL
XMOL
D110 DAN202U
V+5US
R139 100k
R138 470k
R122 470k
FANSTP
XMRMU
XAMU
TCE
TDO
TCLK
TDI
VLDT1
GCONT2
DHREQ R145 100
R104 100k
C105 YB 0.1/16
C106 YB 470p
R108 5.1k
R109 stby
PGM
DHDO R102
DHDI 100
DHCLK
HDRDY5
XHRST5 R105 100
IEDI5 R106 100
IEDO5 R110 100
IECLK5 R111 100
R107 100k
R179 10k
XSBMU
XIERST5
DRDY5 R103
XDRST5 100
XRST R112 100
stby C107
YB 0.1/16 C108
YB 470p C109
4700p C135
X101 XSS3004 15.7M
R113 47k
ACWP
IEIT5 R173 100
1WWP R174 100
OLDET
POFF5
DISPREQ R115
DISPRDY 100
DISPRST
DISPCLK
DISPDO R116
DISPDI 100
M232TX
C111
470p YB
C110
0.1/16 YB
IC101
PEG116A
SYSTEM u-COM
VREF
AVCC
HDMI/DSP DO
HDMI/DSP DI
HDMI/DSP CLK
HDMI RDY
HDMI RST
1394 DI
1394 DO
1394 CLK
SBMUTE
1394 RST
BYTE(L:16bit)
CNVSS
DSP RDY
DSP RST
RESET
XOUT
VSS
XIN
VCC1
NMI
WAKEUP
1394 INT(RDY)
1W WAKEUP
RDS CK/XMLS
RDS DT/XMLINK
OL DET
POFFINFO
DISP REQ
DISP RDY
DISP RST
DISP CLK
DISP DO
DISP DI
232C TXD
VCC1
232C RXD
XMOL(3.3V)/IPOL(5V)
TEMP1
FAN STOP
DC PROTECT
MRMUTE
AMUTE
TUNER CE
TUNER DO
TUNER CLK
TUNER DI
E-VOL DT1
GCONT2
D0 D1 D2 D3 D4 D5 D6
D7 D8
HDMI/DSP REQ
AVSS
SIMUKE2
SIMUKE1
WATT IN
VSS
JIG CLK
232C CTS
TX(SR+/IPOD/XM)
GCONT1
UART SW2
UART SW1
R137 R165 R121
100 100 100
MD0 MD1 MD2 MD3 MD4 MD5 MD6 MD7 MD8
D9 D10 D11 D12 D13 D14 D15
A0 A1 A2 A3 A4 A5 A6 A7
VSS A8 VCC2
RY AC1 RY HP RY A RY B RY C/R
A9 A10 A11 A12 A13 A14 A15 A16 A17 A18 A19
XCE EVOL CLK CS2 EVOL DT2
MD9 MD10 MD11 MD12 MD13 MD14 MD15
MA1 MA2 MA3 MA4 MA5 MA6 MA7 MA8
RYAC RYHP RYAF RYBS RYCS
MA9 MA10 MA11 MA12 MA13 MA14 MA15 MA16 MA17 MA18
470p YB C115 C114 YB 0.1/16
D109 RB501V-40
RX(SR+/IPOD/XM)
LOW POWER
S DET
WAKE UPB(XM)
XMSEL
EXP ST
EXP OE
XRDY
NC
XHOLD
NC
OSD RST
OSD CS
OSD DT/EXP DT
OSD CLK/EXP CLK
NC
XRD
XWR
R151 100k
R117 100k
R118 stby
R119 2.2k
R128 47k
R129 47k
100k
R131
R132
R134 47k
R133
R135 100
stby
MXOE
MXWE
L 3/8
IEIT5
IEDI5
IEDO5
IECLK5
XIERST5
M232TX
M232RX
M232CT
MTX
MRX
RDSXM5
XMIRQ5
XMLINK5
XMLSDT5
XMLSDT5 R175 100
R125 100k
XMLINK5 R114 100
M232RX R120 100
R140 470k
R127 100k
JGCLK
M232CT
MTX
MRX
LOPOW
SDET
XMIRQ5
XMSEL
MEXST
MEXOE
R123 100
R124 100
L 3/8
OSRST
OSCS
OSDT
MEXCLK
R130
GCONT1
UART2
UART1
VLDT2
VLCLK
CONT5V
MAIN
12VDET RYAC TEMP2 DISPRST DISPCLK DISPDI DISPDO DISPRDY DISPREQ HPDET IPDET MRIN2 MRIN1 1WWP
V+5_6ST
0.1/16 YB stby
C133 C134
VIPOD
V+5_6U
V+5US
D103 1SS355
V+5_6ST
D102 DAN202U
V+5UMIN
V+5UM
L101 ATL7002
D108 RB520S-30
C101 0.01 YB
C102 1000/10 AT
C103 0.01 YB
D111 stby
C976 stby
C981
C982 YB 0.1/16
YB 470p
GDISP
CN101 52045-2345
12VDET RYAC TEMP2 DISP RST DISP CLK DISP DI DISP DO DISP RDY DISP EN HPDET IPDET MRIN2 MRIN1 1W WP V+5_6ST GNDU GNDU GNDU 232CDET MICDET SR IN RMC SR OUT
CN102 XKP3076
SR OUT RMC SR IN MICDET 232CDET VIPOD VIPOD GNDU GNDU V+5_6U V+5_6U
GNDU
GNDA
L 1/8
AC CN3201
N CN4302

L 1/8 DIGITAL MOTHER ASSY

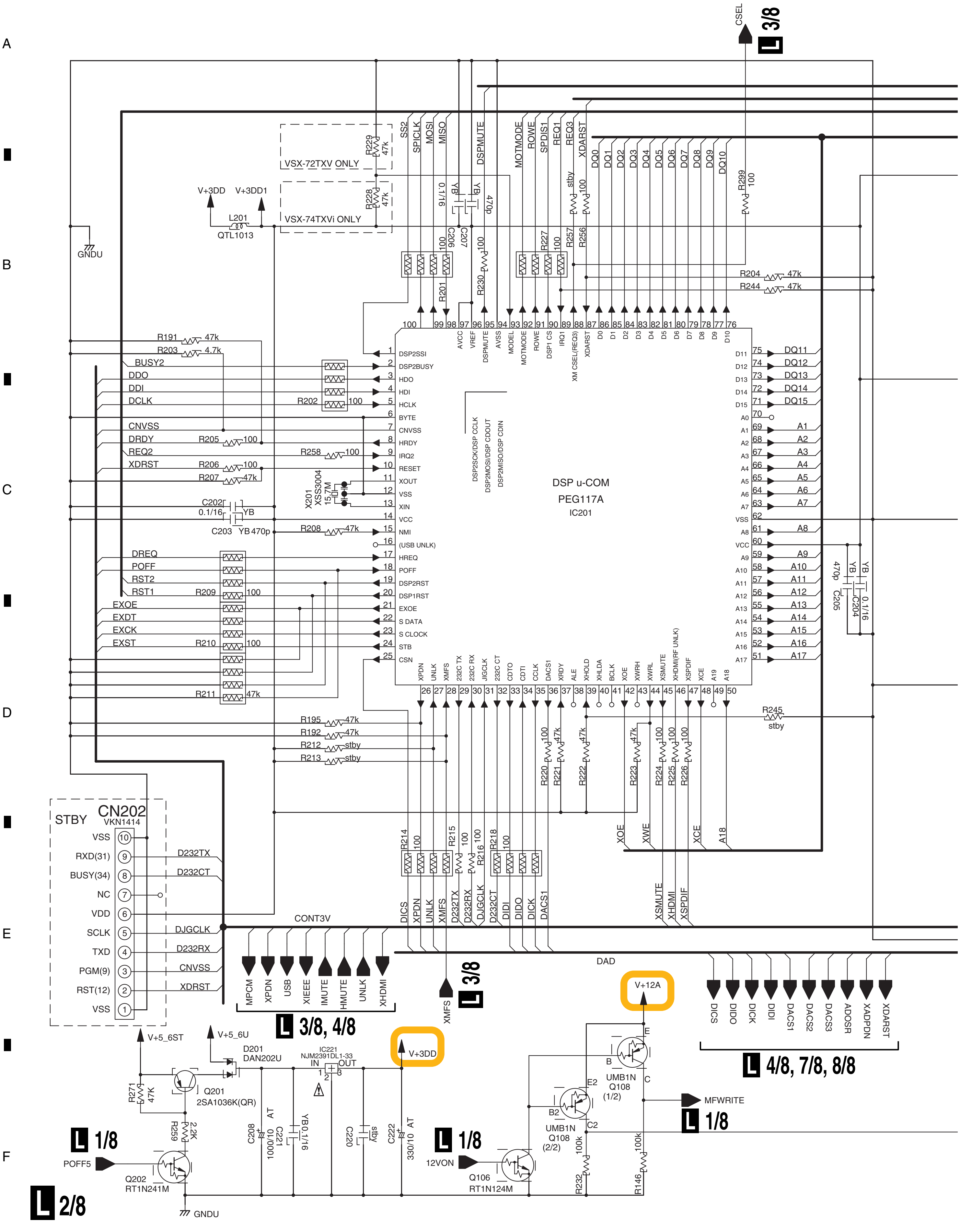
(VSX-74TXVi:AWP7037)
(VSX-72TXV:AWP7041)



P CN5703
CN103 52045-1945
V+5UMIN
GNDU
V+5UM
GNDU
V+5_6U
DCDET
OLDET
TEMP2
TEMP1
RYA
RYHP
RYCS
RYB
GNDST
GNDST
V+5_6ST
RYAC
W UP
HPSW
WATT S
V+5_6ST
V+5_6S
V+5_6U
L102 ATL7002
GNDU
(GNDST)
RYAC
ACWP
HPDET
UDZS5R1(B) D106
C125 10/50 AT
R163 stby
22k R162
TEMP2
OLDET
R161 1M
C123 YB 0.047/25
R101 1M
C124 YB 0.047/25
D104 DAP202U
D105 DAN202U
R158 stby
R159 stby
R160 stby
V+5UM
Q107 UMB1N (1/2)
Q107 UMB1N (2/2)
Q105 UMB1N (1/2)
Q105 UMB1N (2/2)
RYAF
RYHP
RYCS
RYBS
MAINROM
L 2/8
MFWRITE
RB501V-40 D116
IC102 AYW7043 (MBM29F400TC-70PFTN)
FLASH ROM
MA16 MA15 MA14 MA13 MA12 MA11 MA10 MA9
MXWE
C119 stby
R148 stby
MA18 MA8 MA7 MA6 MA5 MA4 MA3 MA2
A15 A14 A13 A12 A11 A10 A9 A8 NC NC XWE XRESET NC NC RY/XBY NC A17 A7 A6 A5 A4 A3 A2 A1
A16 XBYTE VSS DQ15 DQ7 DQ14 DQ6 DQ13 DQ5 DQ12 DQ4 VCC DQ11 DQ3 DQ10 DQ2 DQ9 DQ1 DQ8 DQ0 XOE VSS XCE A0
MA17 47k R147 MD15 MD7 MD14 MD6 MD13 MD5 MD12 MD4 MD11 MD3 MD10 MD2 MD9 MD1 MD8 MD0 MXOE MA1
C117 YB 470p
C116 YB 0.1/16
IC106 (4/4) SN74AHCT08PW
R152 stby
IC103 CD4094BPW
STB DATA CLOCK 232SW MRSP2 FANDRIVE INPUTATT VSS
VDD OE 12VON XMPOW iPODPOW QS' QS
MEXST OSDT MEXCLK MRSP2
L 2/8 MEXOE
12VON
IPPOW RDSXM5 MEXDT
RDS SW / XMRST
PORT EXPANDER
C118 YB 0.1/16
R189 100k
R149 47k
R150 47k
232SW FANDRV
XMPOW
LOPOW
XMRMU
XAMU
XSBMU
MRSP2
V+5UM1
V+5UM
Q101 DTC143TK
R157 47
C122 470/6.3 AT
Q102 RT1P241M
R155 1k
MRMUTE
R156 47k
C121 YB 0.01
V+5US
Q103 (1/2) RN2901
Q103 (2/2) RN2901
R153 470
AMUTE
D101 DAN202U
R154 47k
C120 YB 4700p
Q104 (1/2) UMB1N
Q104 (2/2) UMB1N
R136 470
SBMUTE
D107 DAN202U
R126 47k
C127 YB 4700p
IC105(4/4) SN74AHCT32PW
V-12A
MUTE CONTROL
232CT
232RX
232TX
IPTX
IPRX
L 3/8
CN104 BTEM16P-1R
IPDET
i-POD RX
i-POD TX
i-POD DET
232TXD
232RXD
232CTS
MRMUTE
S DET
GNDU
GNDU
VLCLK
VLDT2
VLDT1
XLSSN
iPOD POW
iPOD OL
N CN4305
MRMUTE SDET VLCLK VLDT2 VLDT1 IPPOW IPOL
XLSSN
CN105 XKP3082
L 2/8
GCONT1 GCONT2 AMUTE SBMUTE MEXST MEXOE MEXCLK MEXDT OSDT OSRST OSCS 12VDET MRIN2 MRIN1 TCE TDI TCLK TDO FMDET
GCONT1 GCONT2 AMUTE SBMUTE MEXP ST MEXP OE MEXP CLK MEXP DT OSD DT OSD RST OSD CS 12V DET MRIN2 MRIN1 TUNER CE TUNER DI TUNER CLK TUNER DO FM DET GNDU GNDU VI-POD V+5_6U
E CN5432
VIPOD
V+5_6U
C998 stby
C997 stby
CN106 STBY
VSS T_RXD(31) T_BUSY(34) NC T_VDD T_SCLK T_TXD T_PGM(9) T_RST(12) VSS
M232TX M232CT V+5UM JGCLK M232RX PGM XRST
VKN1414
GNDU
L 3/8 232SW
L 8/8 FANDRV FANSTP
L 7/8 INPUTATT
L 3/8 XMOL
L 3/8 XMPOW
L 2/8 XMUTE

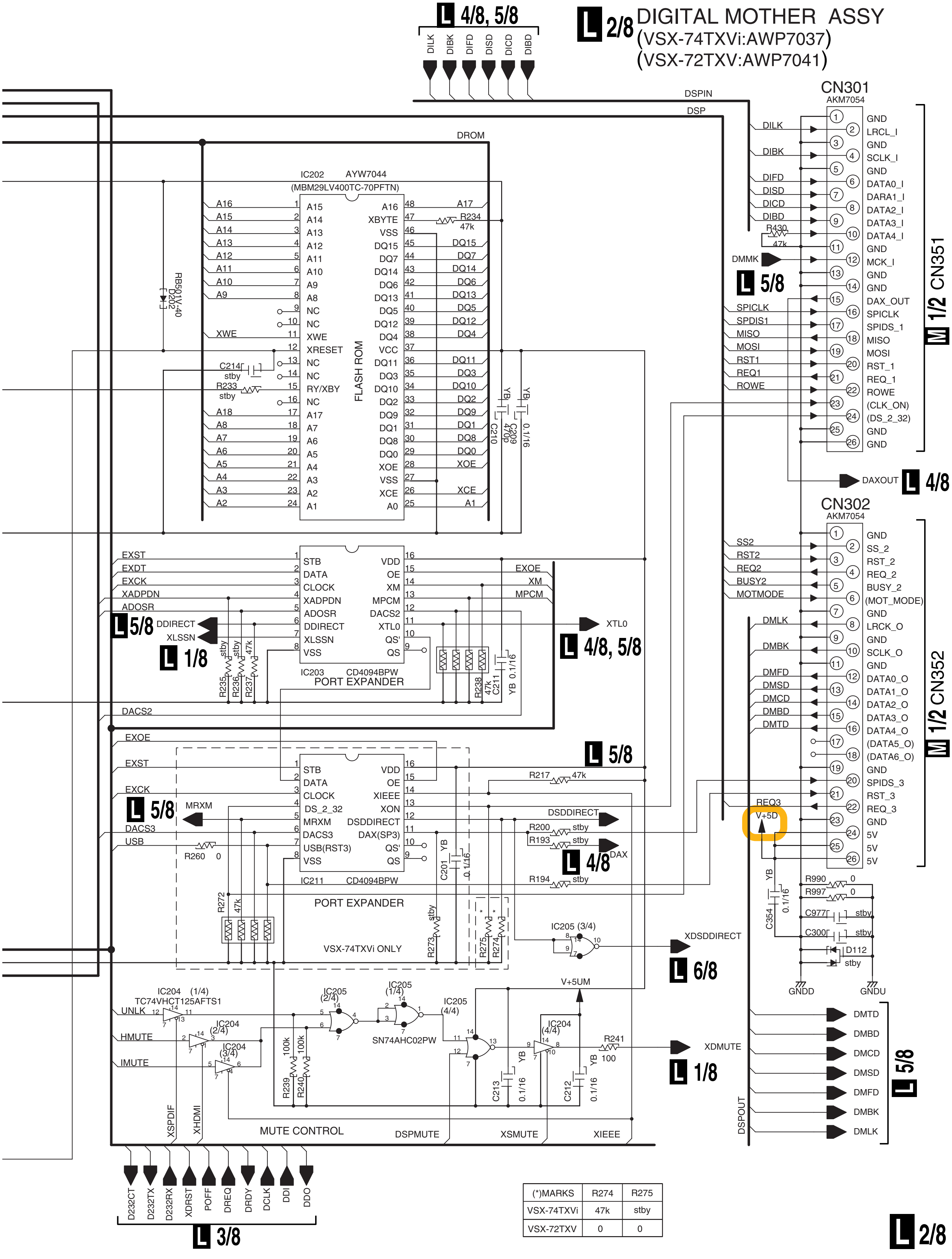
L 1/8

3.14 DIGITAL MOTHER ASSY (2/8)



CSEL
L 3/8
VSX-72TXV ONLY
VSX-74TXVi ONLY
R229 47k
R228 47k
V+3DD
V+3DD1
L201
QTL1013
GNDU
SS2
SPICLK
MOSI
MISO
DSPMUTE
MOTMODE
ROWE
SPDIS1
REQ1
REQ3
XDARST
DQ0
DQ1
DQ2
DQ3
DQ4
DQ5
DQ6
DQ7
DQ8
DQ9
DQ10
R299 100
0.1/16 YB C206
YB 470p C207
R201 100
R230 100
stby
R257 100
R256 100
R227
R204 47k
R244 47k
R191 47k
R203 4.7k
BUSY2
DDO
DDI
DCLK
R202 100
CNVSS
DRDY R205 100
REQ2 R258 100
XDRST R206 100
R207 47k
X201 XSS3004 15.7M
C202 0.1/16 YB
C203 YB 470p
R208 47k
DREQ
POFF
RST2
RST1 R209 100
EXOE
EXDT
EXCK
EXST R210 100
R211 47k
DSP u-COM
PEG117A
IC201
1 DSP2SSI
2 DSP2BUSY
3 HDO
4 HDI
5 HCLK
6 BYTE
7 CNVSS
8 HRDY
9 IRQ2
10 RESET
11 XOUT
12 VSS
13 XIN
14 VCC
15 NMI
16 (USB UNLK)
17 HREQ
18 POFF
19 DSP2RST
20 DSP1RST
21 EXOE
22 S DATA
23 S CLOCK
24 STB
25 CSN
26 XPDN
27 UNLK
28 XMFS
29 232C TX
30 232C RX
31 JIGCLK
32 232C CT
33 CDTO
34 CDTI
35 CCLK
36 DACS1
37 XRDY
38 ALE
39 XHOLD
40 XHLDA
41 BCLK
42 XOE
43 XWRH
44 XWRL
45 XSMUTE
46 XHDMI(RF UNLK)
47 XSPDIF
48 XCE
49 A19
50 A18
51 A17
52 A16
53 A15
54 A14
55 A13
56 A12
57 A11
58 A10
59 A9
60 VCC
61 A8
62 VSS
63 A7
64 A6
65 A5
66 A4
67 A3
68 A2
69 A1
70 A0
71 D15
72 D14
73 D13
74 D12
75 D11
76 D10
77 D9
78 D8
79 D7
80 D6
81 D5
82 D4
83 D3
84 D2
85 D1
86 D0
87 XDARST
88 XM CSEL(REQ3)
89 IRQ1
90 DSP1 CS
91 ROWE
92 MOTMODE
93 MODEL
94 AVSS
95 DSPMUTE
96 VREF
97 AVCC
98
99
100
DSP2SCK/DSP CCLK
DSP2MOSI/DSP CDOUT
DSP2MISO/DSP CDIN
DQ11
DQ12
DQ13
DQ14
DQ15
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10
A11
A12
A13
A14
A15
A16
A17
470p YB C205
YB 0.1/16 C204
R245 stby
R195 47k
R192 47k
R212 stby
R213 stby
R220 100
R221 47k
R222 47k
R223 47k
R224 100
R225 100
R226 100
XOE
XWE
XCE
A18
R214 100
R215 100
R216 100
R218 100
DICS
XPDN
UNLK
XMFS
D232TX
D232RX
DJGCLK
D232CT
DIDI
DIDO
DICK
DACS1
XSMUTE
XHDMI
XSPDIF
STBY
CN202
VKN1414
VSS 10
RXD(31) 9 D232TX
BUSY(34) 8 D232CT
NC 7
VDD 6
SCLK 5 DJGCLK
TXD 4 D232RX
PGM(9) 3 CNVSS
RST(12) 2 XDRST
VSS 1
CONT3V
MPCM
XPDN
USB
XIEEE
IMUTE
HMUTE
UNLK
XHDMI
XMFS
L 3/8
L 3/8, 4/8
DAD
DICS
DIDO
DICK
DIDI
DACS1
DACS2
DACS3
ADOSR
XADPDN
XDARST
L 4/8, 7/8, 8/8
V+12A
E
B
C
UMB1N
Q108
(1/2)
E2
B2
C2
UMB1N
Q108
(2/2)
MFWRITE
L 1/8
R232 100k
R146 100k
12VON
L 1/8
Q106
RT1N124M
V+5_6ST
V+5_6U
D201
DAN202U
IC221
NJM2391DL1-33
IN
OUT
1
2
3
V+3DD
R271 47K
Q201
2SA1036K(QR)
R259 2.2K
C208 AT 1000/10
C221 YB 0.1/16
C220 stby
C222 AT 330/10
L 1/8
POFF5
Q202
RT1N241M
L 2/8
GNDU
1
2
3
4
A
B
C
D
E
F

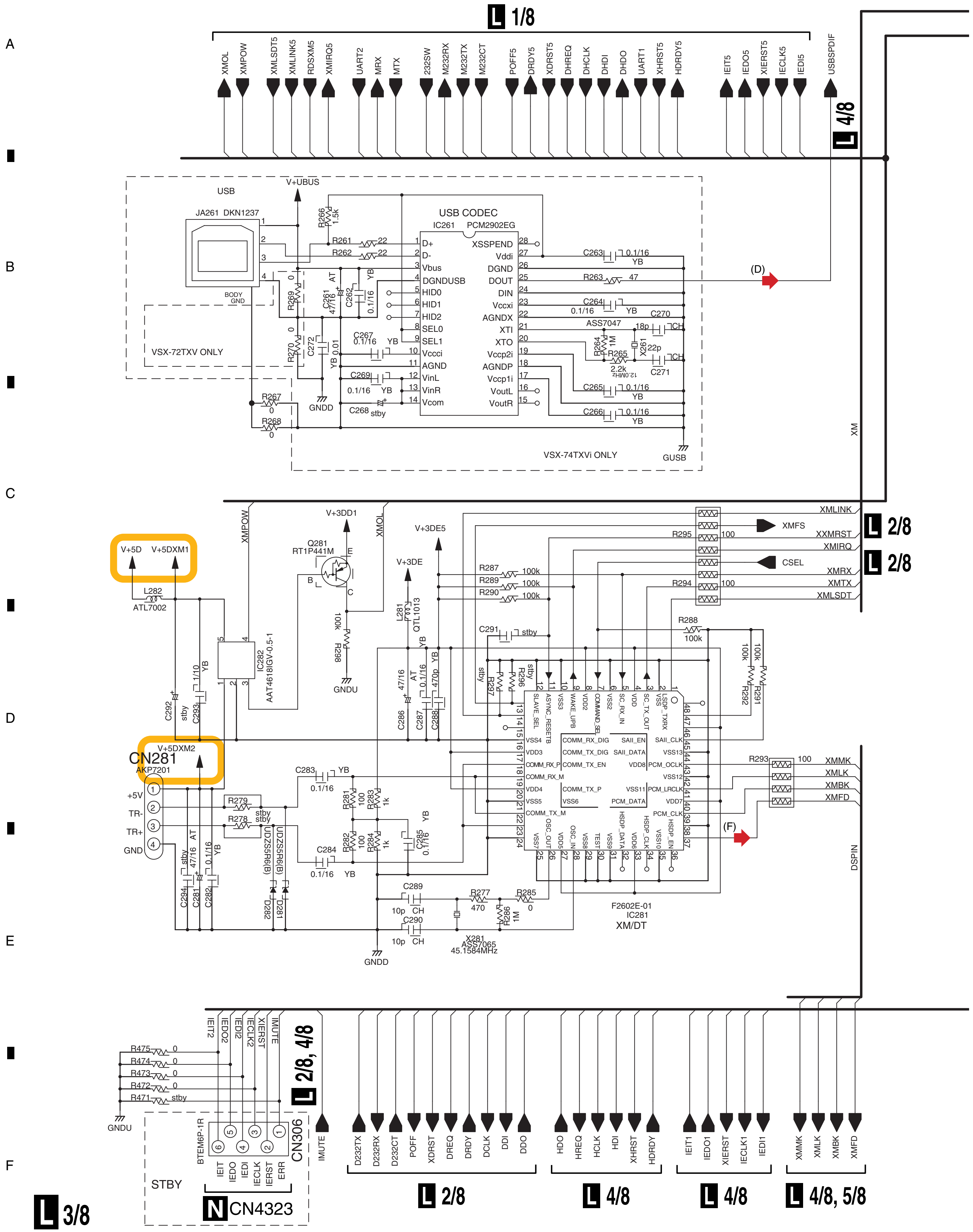
L 2/8 DIGITAL MOTHER ASSY
(VSX-74TXVi:AWP7037)
(VSX-72TXV:AWP7041)


L 4/8, 5/8
DILK DIBK DIFD DISD DICD DIBD
DSPIN
DSP
DROM
CN301 AKM7054
GND LRCL_I GND SCLK_I GND DATA0_I DARA1_I DATA2_I DATA3_I DATA4_I GND MCK_I GND GND DAX_OUT SPICLK SPIDS_1 MISO MOSI RST_1 REQ_1 ROWE (CLK_ON) (DS_2_32) GND GND
M 1/2 CN351
DMMK
L 5/8
SPICLK SPDIS1 MISO MOSI RST1 REQ1 ROWE
R430 47k
DAXOUT L 4/8
IC202 AYW7044 (MBM29LV400TC-70PFTN)
FLASH ROM
RB501V-40 D202
C214 stby
R233 stby
R234 47k
C210 470p YB
C209 0.1/16 YB
CN302 AKM7054
GND SS_2 RST_2 REQ_2 BUSY_2 (MOT_MODE) GND LRCK_O GND SCLK_O GND DATA0_O DATA1_O DATA2_O DATA3_O DATA4_O (DATA5_O) (DATA6_O) GND SPIDS_3 RST_3 REQ_3 GND 5V 5V 5V
M 1/2 CN352
SS2 RST2 REQ2 BUSY2 MOTMODE
DMLK DMBK DMFD DMSD DMCD DMBD DMTD
REQ3 V+5D
EXST EXDT EXCK XADPDN ADOSR
L 5/8 DDIRECT XLSSN L 1/8
STB DATA CLOCK XADPDN ADOSR DDIRECT XLSSN VSS VDD OE XM MPCM DACS2 XTL0 QS' QS
IC203 CD4094BPW PORT EXPANDER
R235 R236 R237 stby stby 47k
R238 47k C211 YB 0.1/16
EXOE XM MPCM
XTL0 L 4/8, 5/8
DACS2
EXOE EXST EXCK
L 5/8 MRXM
DACS3 USB R260 0
STB DATA CLOCK DS_2_32 MRXM DACS3 USB(RST3) VSS VDD OE XIEEE XON DSDDIRECT DAX(SP3) QS' QS
IC211 CD4094BPW PORT EXPANDER
VSX-74TXVi ONLY
R272 47k
R273 stby
R275 R274 * *
C201 YB 0.1/16
L 5/8
R217 47k
DSDDIRECT
R200 stby
R193 stby
DAX L 4/8
R194 stby
IC205 (3/4)
XDSDDIRECT L 6/8
YB C354 0.1/16
R990 0
R997 0
C977 stby
C300 stby
D112 stby
GNDD GNDU
IC204 (1/4) TC74VHCT125AFTS1
UNLK HMUTE IMUTE
IC204 (2/4)
IC204 (3/4)
IC205 (2/4)
IC205 (1/4)
IC205 (4/4)
SN74AHC02PW
IC204 (4/4)
V+5UM
R239 100k R240 100k
C213 0.1/16 YB
C212 0.1/16 YB
R241 100
XDMUTE L 1/8
XSPDIF XHDMI
MUTE CONTROL
DSPMUTE XSMUTE XIEEE
DSPOUT
DMTD DMBD DMCD DMSD DMFD DMBK DMLK
L 5/8
D232CT D232TX D232RX XDRST POFF DREQ DRDY DCLK DDI DDO
L 3/8

(*)MARKS	R274	R275
VSX-74TXVi	47k	stby
VSX-72TXV	0	0

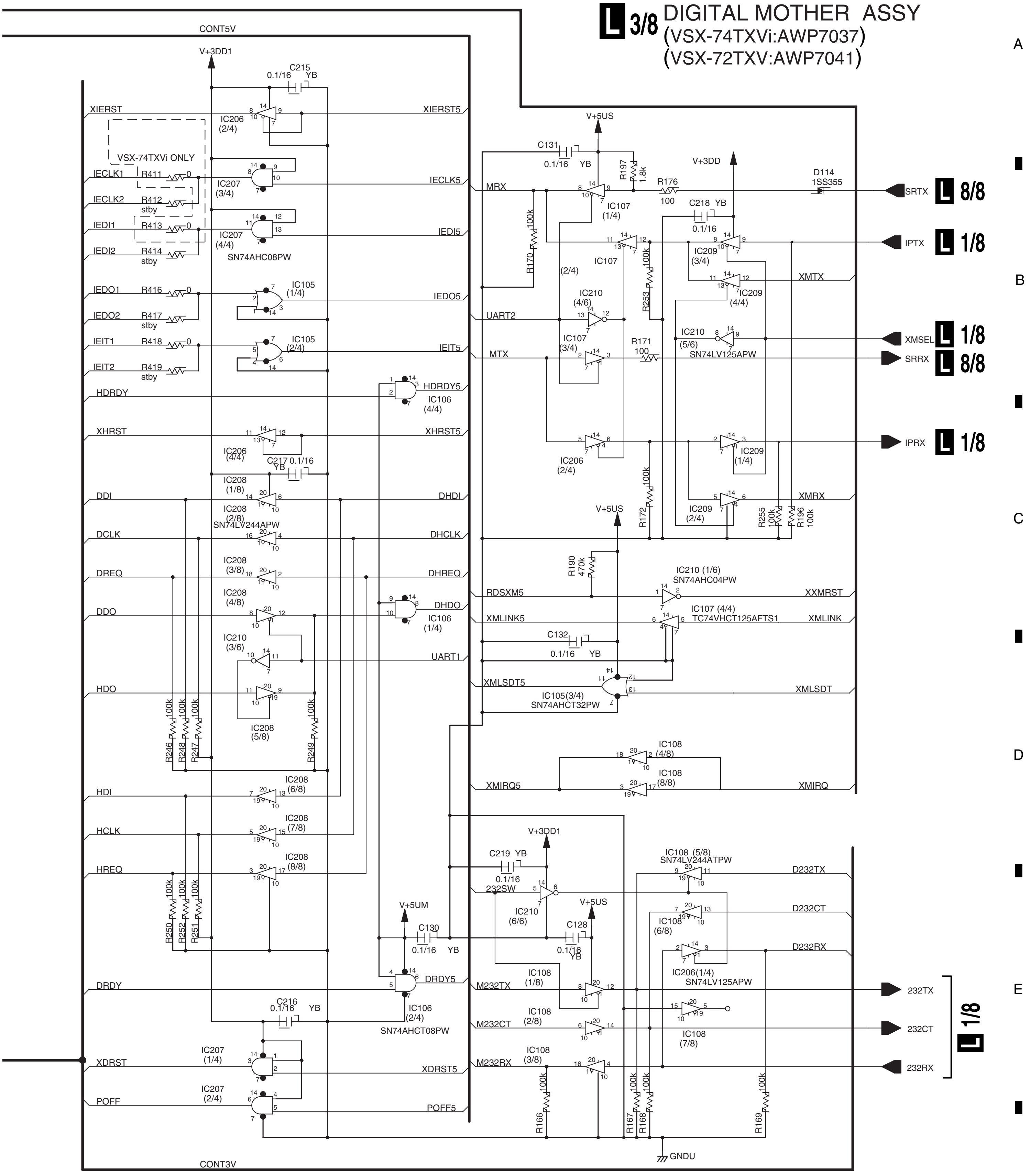
L 2/8

3.15 DIGITAL MOTHER ASSY (3/8)



A
B
C
D
E
F
L 1/8
XMOL
XMPOW
XMLSDT5
XMLINK5
RDSXM5
XMIRQ5
UART2
MRX
MTX
232SW
M232RX
M232TX
M232CT
POFF5
DRDY5
XDRST5
DHREQ
DHCLK
DHDI
DHDO
UART1
XHRST5
HDRDY5
IEIT5
IEDO5
XIERST5
IECLK5
IEDI5
USBSPDIF
L 4/8
USB
V+UBUS
JA261 DKN1237
BODY GND
VSX-72TXV ONLY
R266 1.5k
R261 22
R262 22
R269 0
R270 0
C261 47/16
C262 0.1/16
C272 0.01
AT
YB
USB CODEC
IC261 PCM2902EG
D+
D-
Vbus
DGNDUSB
HID0
HID1
HID2
SEL0
SEL1
Vccci
AGND
VinL
VinR
Vcom
XSSPEND
Vddi
DGND
DOUT
DIN
Vccxi
AGNDX
XTI
XTO
Vccp2i
AGNDP
Vccp1i
VoutL
VoutR
C263 0.1/16 YB
R263 47
(D)
C264 0.1/16 YB
C270
ASS7047
18p CH
R264 1M
X261 22p
R265 2.2k
12.0MHz
C271
C267 0.1/16 YB
C269 0.1/16 YB
C268 stby
C265 0.1/16 YB
C266 0.1/16 YB
R267 0
R268 0
GNDD
VSX-74TXVi ONLY
GUSB
XM
XMPOW
XMOL
V+3DD1
Q281 RT1P441M
E
B
C
100k
R298
GNDU
V+3DE5
V+3DE
L281 QTL1013
R287 100k
R289 100k
R290 100k
R295 100
R294 100
XMLINK
XMFS
XXMRST
XMIRQ
CSEL
XMRX
XMTX
XMLSDT
L 2/8
L 2/8
C291 stby
R288 100k
100k
100k
R292
R291
V+5D
V+5DXM1
L282 ATL7002
IC282 AAT4618IGV-0.5-1
C292 stby
C293 1/10 YB
C286 47/16 AT
C287 0.1/16 YB
C288 470p YB
stby
R297
R296
stby
SLAVE_SEL
ASYNC_RESETB
VSS3
WAKE_UPB
VDD2
COMMAND_SEL
VSS2
SC_RX_IN
VDD
SC_TX_OUT
VSS
LSDP_TXRX
VSS4
VDD3
COMM_RX_P
COMM_RX_M
VDD4
VSS5
COMM_TX_M
COMM_RX_DIG
COMM_TX_DIG
COMM_TX_EN
COMM_TX_P
VSS6
SAII_EN
SAII_DATA
SAII_CLK
VSS13
VDD8
PCM_OCLK
VSS12
VSS11
PCM_LRCLK
PCM_DATA
VDD7
PCM_CLK
HSDP_EN
VSS7
OSC_OUT
VDD5
OSC_IN
VSS8
TEST
VSS9
HSDP_DATA
VDD6
HSDP_CLK
VSS10
F2602E-01
IC281
XM/DT
R293 100
XMMK
XMLK
XMBK
XMFD
(F)
DSPIN
V+5DXM2
CN281
AKP7201
+5V
TR-
TR+
GND
R279 stby
R278 stby
C294 stby
C281 47/16 AT
C282 0.1/16 YB
UDZS5R6(B)
D282
D281
C283 0.1/16 YB
C284 0.1/16 YB
R281 100
R283 1k
R282 100
R284 1k
C285 0.1/16 YB
C289 10p CH
C290 10p CH
R277 470
R285 0
R286 1M
X281 ASS7065 45.1584MHz
GNDD
IEIT2
IEDO2
IEDI2
IECLK2
XIERST
IMUTE
L 2/8, 4/8
R475 0
R474 0
R473 0
R472 0
R471 stby
GNDU
BTEM6P-1R
CN306
IEIT
IEDO
IEDI
IECLK
IERST
ERR
STBY
N CN4323
IMUTE
D232TX
D232RX
D232CT
POFF
XDRST
DREQ
DRDY
DCLK
DDI
DDO
HDO
HREQ
HCLK
HDI
XHRST
HDRDY
IEIT1
IEDO1
XIERST
IECLK1
IEDI1
XMMK
XMLK
XMBK
XMFD
L 2/8
L 4/8
L 4/8
L 4/8, 5/8
L 3/8

L 3/8 DIGITAL MOTHER ASSY
(VSX-74TXVi:AWP7037)
(VSX-72TXV:AWP7041)

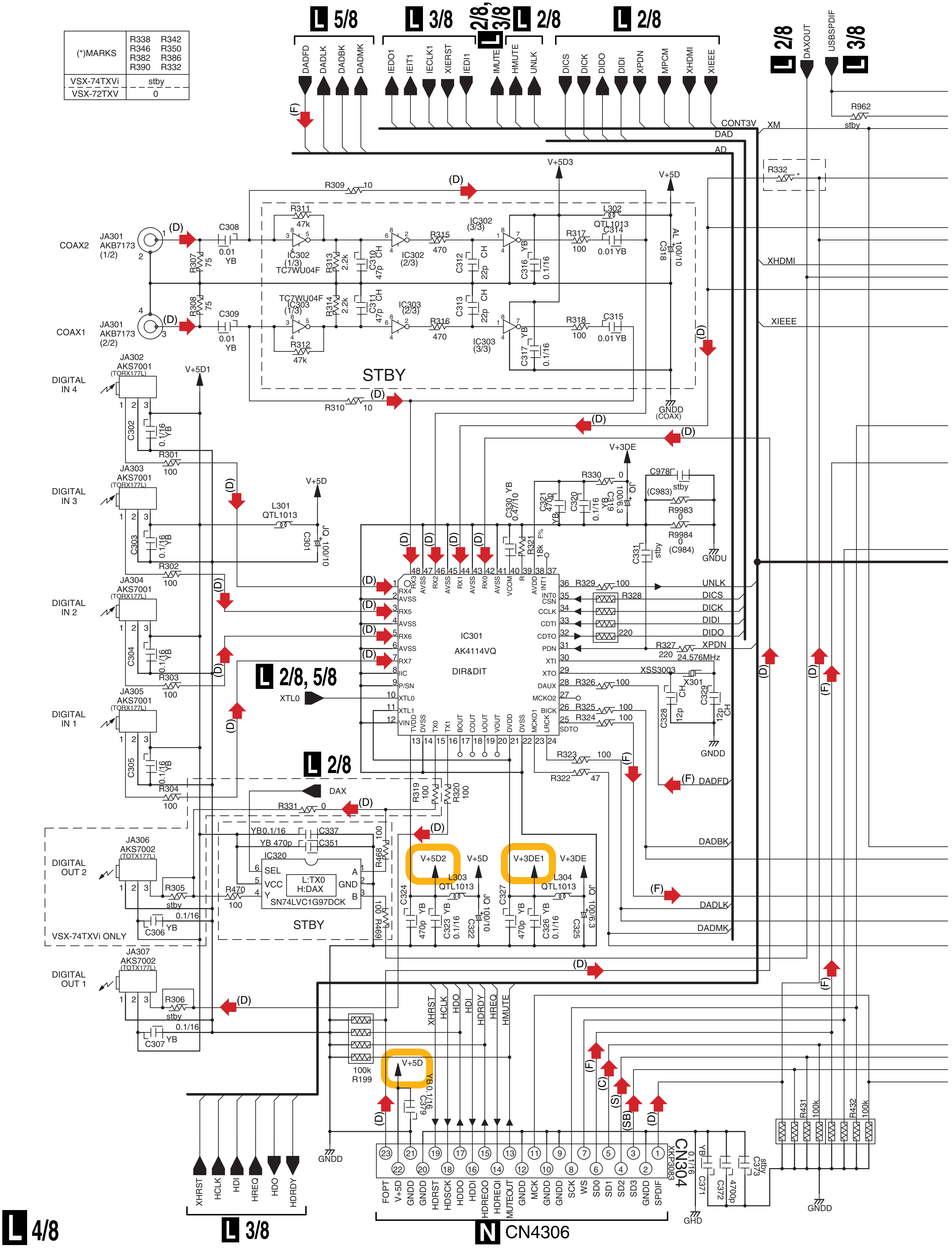

A
B
C
D
E
F
CONT5V
V+3DD1
C215 0.1/16 YB
XIERST
IC206 (2/4)
XIERST5
VSX-74TXVi ONLY
IECLK1 R411 0
IECLK2 R412 stby
IEDI1 R413 0
IEDI2 R414 stby
IC207 (3/4)
IC207 (4/4)
SN74AHC08PW
IECLK5
IEDI5
IEDO1 R416 0
IEDO2 R417 stby
IEIT1 R418 0
IEIT2 R419 stby
IC105 (1/4)
IC105 (2/4)
IEDO5
IEIT5
HDRDY
HDRDY5
IC106 (4/4)
XHRST
XHRST5
IC206 (4/4)
C217 0.1/16 YB
IC208 (1/8)
IC208 (2/8)
SN74LV244APW
DDI
DHDI
DCLK
DHCLK
IC208 (3/8)
DREQ
DHREQ
IC208 (4/8)
DDO
DHDO
IC106 (1/4)
IC210 (3/6)
UART1
HDO
IC208 (5/8)
R246 100k
R248 100k
R247 100k
R249 100k
HDI
IC208 (6/8)
HCLK
IC208 (7/8)
HREQ
IC208 (8/8)
R250 100k
R252 100k
R251 100k
V+5UM
C130 0.1/16 YB
DRDY
DRDY5
C216 0.1/16 YB
IC106 (2/4)
SN74AHCT08PW
XDRST
IC207 (1/4)
XDRST5
POFF
IC207 (2/4)
POFF5
CONT3V
V+5US
C131 0.1/16 YB
R197 1.8k
V+3DD
MRX
R176 100
D114 1SS355
SRTX
L 8/8
IC107 (1/4)
C218 YB 0.1/16
R170 100k
IC107 (2/4)
IC209 (3/4)
IPTX
L 1/8
R253 100k
XMTX
IC210 (4/6)
IC209 (4/4)
UART2
IC107 (3/4)
IC210 (5/6)
SN74LV125APW
XMSEL
L 1/8
R171 100
MTX
SRRX
L 8/8
IC206 (2/4)
IC209 (1/4)
IPRX
L 1/8
R172 100k
IC209 (2/4)
XMRX
R255 100k
R196 100k
V+5US
R190 470k
IC210 (1/6)
SN74AHC04PW
RDSXM5
XXMRST
IC107 (4/4)
TC74VHCT125AFTS1
XMLINK5
XMLINK
C132 0.1/16 YB
XMLSDT5
IC105(3/4)
SN74AHCT32PW
XMLSDT
IC108 (4/8)
IC108 (8/8)
XMIRQ5
XMIRQ
V+3DD1
C219 YB 0.1/16
232SW
IC210 (6/6)
V+5US
C128 0.1/16 YB
IC108 (5/8)
SN74LV244ATPW
D232TX
IC108 (6/8)
D232CT
D232RX
IC206(1/4)
SN74LV125APW
M232TX
IC108 (1/8)
232TX
M232CT
IC108 (2/8)
232CT
IC108 (7/8)
L 1/8
M232RX
IC108 (3/8)
232RX
R166 100k
R167 100k
R168 100k
R169 100k
GNDU

(F) : AUDIO SIGNAL ROUTE(F)

(D) : AUDIO SIGNAL ROUTE(SPDIF)

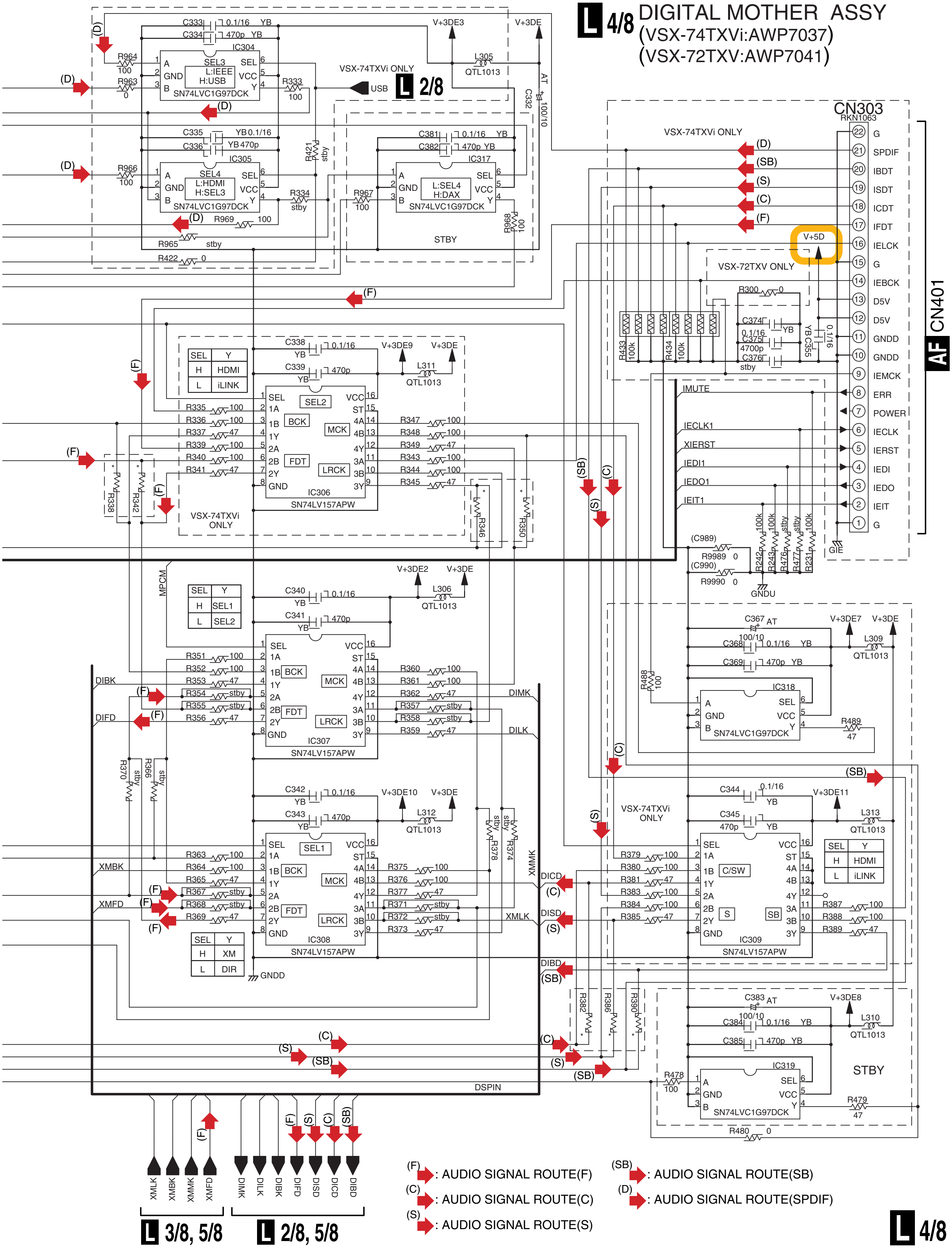
3.16 DIGITAL MOTHER ASSY (4/8)

(*)MARKS	R338 R342 R346 R350 R382 R386 R390 R332
VSX-74TXVi	stby
VSX-72TXV	0



L 5/8
DADFD
DADLK
DADBK
DADMK
L 3/8
IEDO1
IEIT1
IECLK1
XIERST
IEDI1
L 2/8, 3/8
IMUTE
L 2/8
HMUTE
UNLK
L 2/8
DICS
DICK
DIDO
DIDI
XPDN
MPCM
XHDMI
XIEEE
L 2/8
DAXOUT
USBSPDIF
L 3/8
R962
stby
CONT3V
XM
DAD
AD
R332
V+5D3
V+5D
R309 10
R311 47k
IC302 (1/3) TC7WU04F
R313 2.2k
C310 47p CH
IC302 (2/3)
R315 470
IC302 (3/3)
C312 22p CH
C316 0.1/16 YB
R317 100
L302 QTL1013
C314 0.01 YB
C318 AL 100/10
COAX2
JA301 AKB7173 (1/2)
C308 0.01 YB
R307 75
R308 75
COAX1
JA301 AKB7173 (2/2)
C309 0.01 YB
TC7WU04F IC303 (1/3)
R314 2.2k
C311 47p CH
IC303 (2/3)
R316 470
C313 22p CH
IC303 (3/3)
C317 0.1/16 YB
R318 100
C315 0.01 YB
R312 47k
STBY
R310 10
GNDD (COAX)
XHDMI
XIEEE
DIGITAL IN 4
JA302 AKS7001 (TORX177L)
V+5D1
C302 0.1/16 YB
R301 100
DIGITAL IN 3
JA303 AKS7001 (TORX177L)
V+5D
L301 QTL1013
C301 100/10 JQ
C303 0.1/16 YB
R302 100
DIGITAL IN 2
JA304 AKS7001 (TORX177L)
C304 0.1/16 YB
R303 100
DIGITAL IN 1
JA305 AKS7001 (TORX177L)
C305 0.1/16 YB
R304 100
V+3DE
R330 0
C319 100/6.3 JQ
C978 stby
(C983) stby
R9983 0
R9984 0
(C984)
GNDU
C330 0.47/10 YB
C321 470p YB
C320 0.1/16 YB
C331 stby
R321 18k F%
IC301 AK4114VQ DIR&DIT
RX4 AVSS RX5 AVSS RX6 AVSS RX7 IIC P/SN XTL0 XTL1 VIN
RX3 AVSS RX2 AVSS RX1 AVSS RX0 AVSS VCOM R AVDD INT1
INT0 CSN CCLK CDTI CDTO PDN XTI XTO DAUX MCKO2 BICK SDTO
TVDD DVSS TX0 TX1 BOUT COUT UOUT VOUT DVDD DVSS MCKO1 LRCK
R329 100
R328 220
UNLK
DICS
DICK
DIDI
DIDO
R327 220
XPDN
24.576MHz
XSS3003
X301
R326 100
C328 12p CH
C329 12p CH
R325 100
R324 100
GNDD
R323 100
R322 47
DADFD
L 2/8, 5/8
XTL0
L 2/8
DAX
R331 0
R319 100
R320 100
DADBK
DADLK
DADMK
YB0.1/16 C337
YB 470p C351
IC320
SEL VCC Y GND A B
L:TX0 H:DAX
SN74LVC1G97DCK
R470 100
R468 100
R469 100
STBY
V+5D2
V+5D
L303 QTL1013
C324 470p YB
C323 0.1/16 YB
C322 100/10 JQ
V+3DE1
V+3DE
L304 QTL1013
C327 470p YB
C326 0.1/16 YB
C325 100/6.3 JQ
DIGITAL OUT 2
JA306 AKS7002 (TOTX177L)
R305 stby
C306 0.1/16 YB
VSX-74TXVi ONLY
DIGITAL OUT 1
JA307 AKS7002 (TOTX177L)
R306 stby
C307 0.1/16 YB
100k R199
V+5D
C379 0.1/16 YB
GNDD
XHRST HCLK HDO HDI HDRDY HREQ HMUTE
CN304 XKP3083
FOPT V+5D GNDD GNDD HDRST HDSCK HDDO HDDI HDREQO HDREQI MUTEOUT GNDD MCK GNDD SCK WS SD0 SD1 SD2 SD3 GNDD SPDIF
C371 0.1/16 YB
C372 4700p
C373 stby
GHD
R431 100k
R432 100k
GNDD
XHRST HCLK HDI HREQ HDO HDRDY
L 4/8
L 3/8
N CN4306
(D)
(F)
(C)
(S)
(SB)

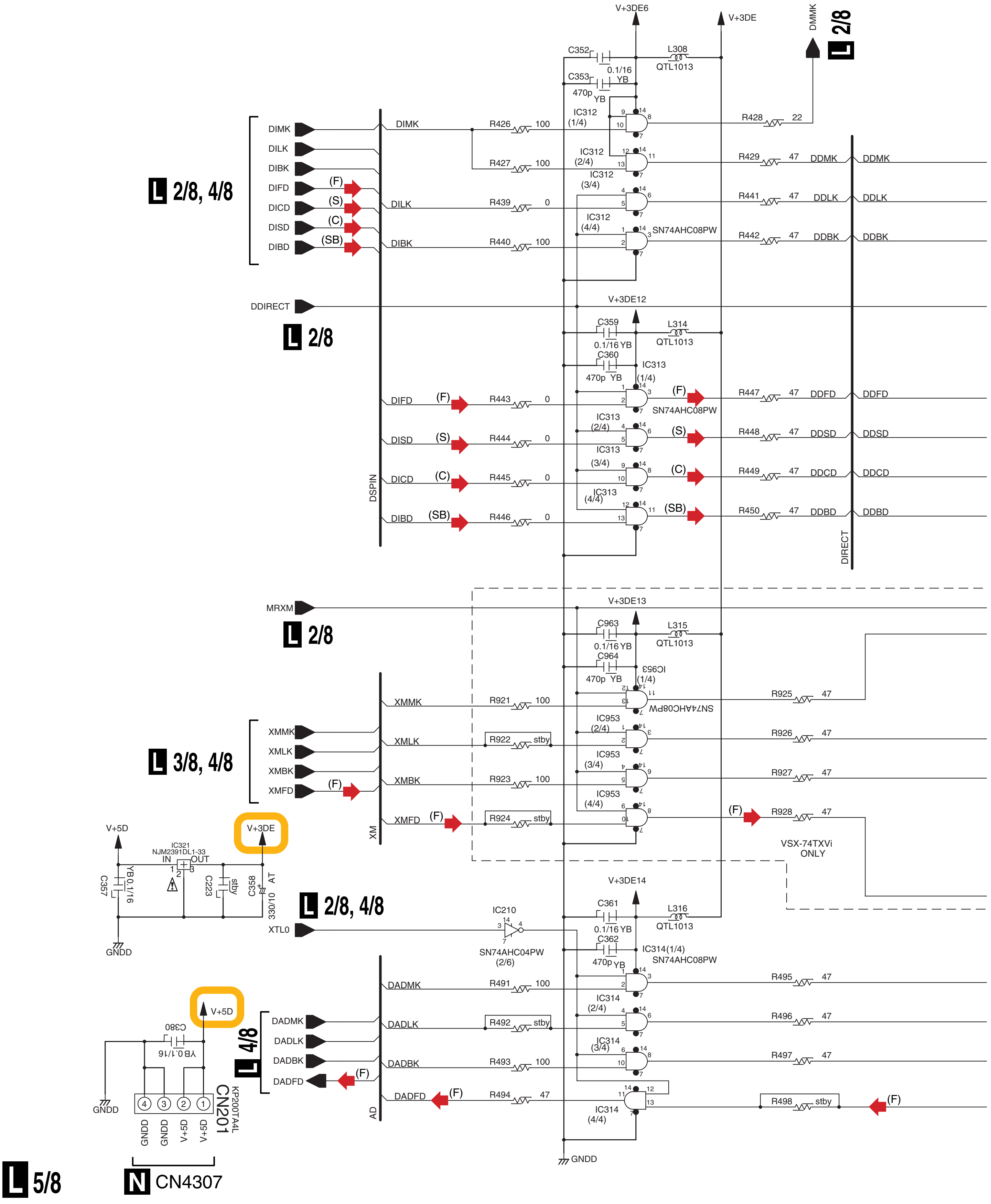
L 4/8 DIGITAL MOTHER ASSY
(VSX-74TXVi:AWP7037)
(VSX-72TXV:AWP7041)


IC304
SN74LVC1G97DCK
SEL3
L:IEEE
H:USB
C333 0.1/16 YB
C334 470p YB
V+3DE3
V+3DE
L305
QTL1013
VSX-74TXVi ONLY
USB
L 2/8
R964 100
R963 0
R333 100
C332 AT 100/10
IC305
SN74LVC1G97DCK
SEL4
L:HDMI
H:SEL3
C335 YB 0.1/16
C336 YB 470p
R966 100
R334 stby
R421 stby
R967 100
R969 100
R965 stby
R422 0
IC317
SN74LVC1G97DCK
L:SEL4
H:DAX
C381 0.1/16 YB
C382 470p YB
R968 100
STBY
CN303
RKN1063
G
SPDIF
IBDT
ISDT
ICDT
IFDT
IELCK
G
IEBCK
D5V
D5V
GNDD
GNDD
IEMCK
ERR
POWER
IECLK
IERST
IEDI
IEDO
IEIT
G
AF CN401
V+5D
VSX-72TXV ONLY
R300 0
C374 0.1/16 YB
C375 4700p
C376 stby
C355 0.1/16 YB
R433 100k
R434 100k
IMUTE
IECLK1
XIERST
IEDI1
IEDO1
IEIT1
R242 100k
R243 100k
R476 stby
R477 stby
R231 100k
(C989)
R9989 0
(C990)
R9990 0
GNDU
GIE
IC306
SN74LV157APW
SEL Y
H HDMI
L iLINK
SEL2
BCK
MCK
FDT
LRCK
C338 YB 0.1/16
C339 YB 470p
V+3DE9
L311
QTL1013
R335 100
R336 100
R337 47
R339 100
R340 100
R341 47
R347 100
R348 100
R349 47
R343 100
R344 100
R345 47
R338
R342
R346
R350
VSX-74TXVi ONLY
MPCM
IC307
SN74LV157APW
SEL Y
H SEL1
L SEL2
C340 YB 0.1/16
C341 YB 470p
V+3DE2
L306
QTL1013
R351 100
R352 100
R353 47
R354 stby
R355 stby
R356 47
R360 100
R361 100
R362 47
R357 stby
R358 stby
R359 47
DIBK
DIFD
DIMK
DILK
R370 stby
R366 stby
IC308
SN74LV157APW
SEL1
C342 YB 0.1/16
C343 YB 470p
V+3DE10
L312
QTL1013
R363 100
R364 100
R365 47
R367 stby
R368 stby
R369 47
R375 100
R376 100
R377 47
R371 stby
R372 stby
R373 47
R378 stby
R374 stby
XMBK
XMFD
XMMK
XMLK
SEL Y
H XM
L DIR
GNDD
DICD
DISD
DIBD
DSPIN
C367 AT 100/10
C368 0.1/16 YB
C369 470p YB
V+3DE7
L309
QTL1013
R488 100
IC318
SN74LVC1G97DCK
R489 47
IC309
SN74LV157APW
C/SW
S
SB
C344 0.1/16 YB
C345 470p YB
V+3DE11
L313
QTL1013
SEL Y
H HDMI
L iLINK
VSX-74TXVi ONLY
R379 100
R380 100
R381 47
R383 100
R384 100
R385 47
R387 100
R388 100
R389 47
R382
R386
R390
C383 AT 100/10
C384 0.1/16 YB
C385 470p YB
V+3DE8
L310
QTL1013
IC319
SN74LVC1G97DCK
R478 100
R479 47
R480 0
STBY
XMLK
XMBK
XMMK
XMFD
DIMK
DILK
DIBK
DIFD
DISD
DICD
DIBD
L 3/8, 5/8
L 2/8, 5/8

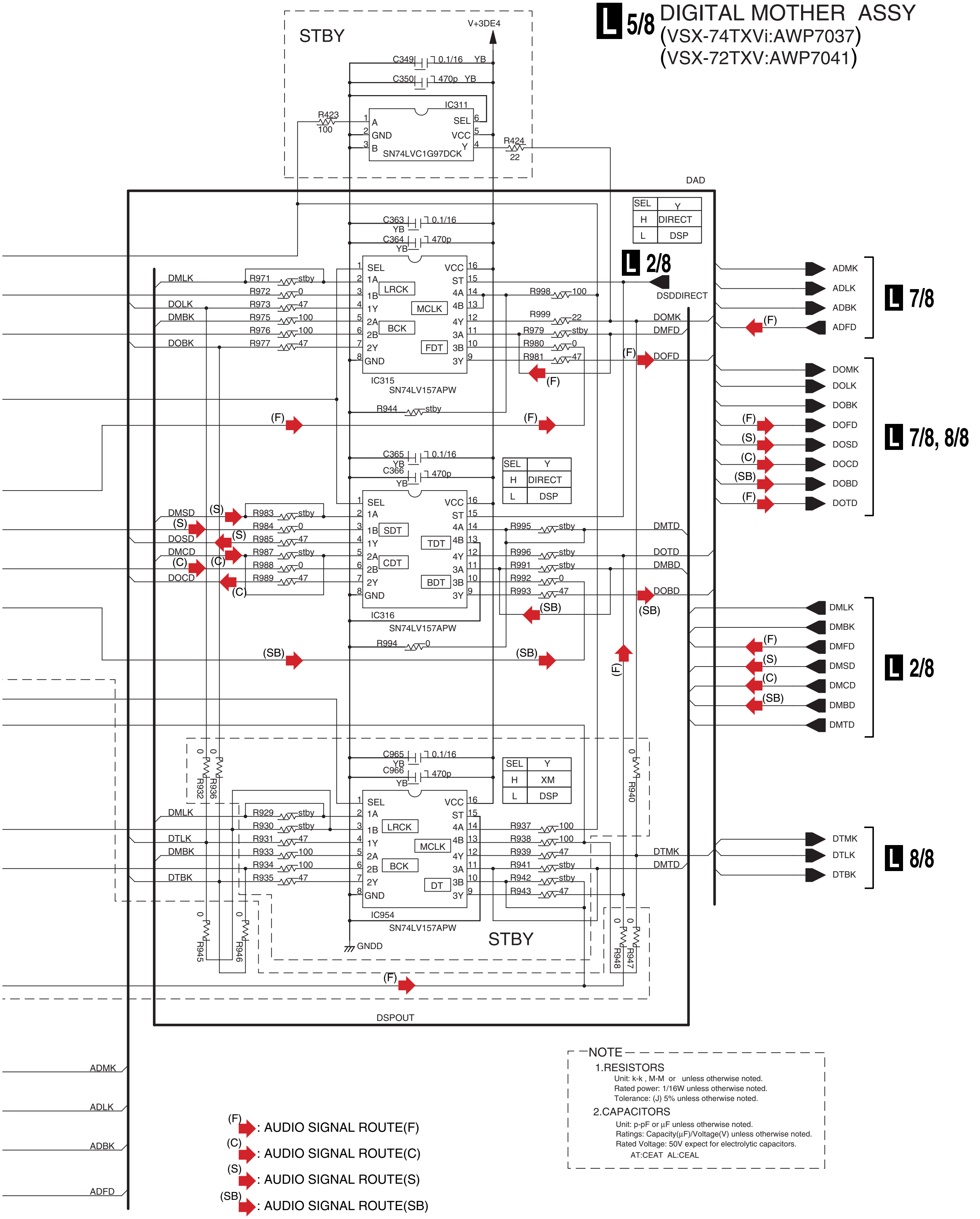
(F) : AUDIO SIGNAL ROUTE(F)
(C) : AUDIO SIGNAL ROUTE(C)
(S) : AUDIO SIGNAL ROUTE(S)
(SB) : AUDIO SIGNAL ROUTE(SB)
(D) : AUDIO SIGNAL ROUTE(SPDIF)

L 4/8

3.17 DIGITAL MOTHER ASSY (5/8)


V+3DE6
V+3DE
DMMK
L 2/8
C352
0.1/16
YB
L308
QTL1013
C353
470p
YB
IC312
(1/4)
R428
22
DIMK
DILK
DIBK
DIFD
DICD
DISD
DIBD
(F)
(S)
(C)
(SB)
L 2/8, 4/8
R426
100
R427
100
IC312
(2/4)
R429
47
DDMK
IC312
(3/4)
R439
0
R441
47
DDLK
IC312
(4/4)
SN74AHC08PW
R440
100
R442
47
DDBK
DDIRECT
V+3DE12
L 2/8
C359
0.1/16 YB
L314
QTL1013
C360
470p YB
IC313
(1/4)
DIFD
R443
0
R447
47
DDFD
SN74AHC08PW
IC313
(2/4)
DISD
R444
0
R448
47
DDSD
IC313
(3/4)
DICD
R445
0
R449
47
DDCD
IC313
(4/4)
DIBD
R446
0
R450
47
DDBD
DSPIN
DIRECT
MRXM
V+3DE13
L 2/8
C963
0.1/16 YB
L315
QTL1013
C964
470p YB
IC953
(1/4)
SN74AHC08PW
XMMK
XMLK
XMBK
XMFD
L 3/8, 4/8
R921
100
R925
47
IC953
(2/4)
R922
stby
R926
47
IC953
(3/4)
R923
100
R927
47
IC953
(4/4)
R924
stby
R928
47
XM
VSX-74TXVi
ONLY
V+5D
IC321
NJM2391DL1-33
IN
OUT
V+3DE
C357
YB0.1/16
C223
stby
C358
330/10
AT
GNDD
L 2/8, 4/8
XTLO
IC210
SN74AHC04PW
(2/6)
V+3DE14
C361
0.1/16 YB
L316
QTL1013
C362
470p YB
IC314(1/4)
SN74AHC08PW
DADMK
R491
100
R495
47
IC314
(2/4)
DADLK
R492
stby
R496
47
IC314
(3/4)
DADBK
R493
100
R497
47
DADFD
R494
47
IC314
(4/4)
R498
stby
AD
GNDD
V+5D
C380
YB0.1/16
4/8
L
DADMK
DADLK
DADBK
DADFD
GNDD
CN201
KP200TA4L
GNDD
GNDD
V+5D
V+5D
L 5/8
N CN4307

L 5/8 DIGITAL MOTHER ASSY
(VSX-74TXVi:AWP7037)
(VSX-72TXV:AWP7041)


STBY
V+3DE4
C349 0.1/16 YB
C350 470p YB
IC311
R423 100
1 A
2 GND
3 B
SEL 6
VCC 5
Y 4
SN74LVC1G97DCK
R424 22
DAD
SEL Y
H DIRECT
L DSP
C363 0.1/16 YB
C364 470p YB
L 2/8
DSDDIRECT
DMLK
DOLK
DMBK
DOBK
R971 stby
R972 0
R973 47
R975 100
R976 100
R977 47
1 SEL
2 1A
3 1B
4 1Y
5 2A
6 2B
7 2Y
8 GND
VCC 16
ST 15
4A 14
4B 13
4Y 12
3A 11
3B 10
3Y 9
LRCK
MCLK
BCK
FDT
IC315
SN74LV157APW
R998 100
R999 22
R979 stby
R980 0
R981 47
DOMK
DMFD
DOFD
(F)
R944 stby
ADMK
ADLK
ADBK
ADFD
L 7/8
DOMK
DOLK
DOBK
DOFD
DOSD
DOCD
DOBD
DOTD
(S)
(C)
(SB)
L 7/8, 8/8
C365 0.1/16 YB
C366 470p YB
SEL Y
H DIRECT
L DSP
DMSD
DOSD
DMCD
DOCD
R983 stby
R984 0
R985 47
R987 stby
R988 0
R989 47
SDT
TDT
CDT
BDT
IC316
SN74LV157APW
R995 stby
R996 stby
R991 stby
R992 0
R993 47
DMTD
DOTD
DMBD
DOBD
R994 0
DMLK
DMBK
DMFD
DMSD
DMCD
DMBD
DMTD
L 2/8
C965 0.1/16 YB
C966 470p YB
SEL Y
H XM
L DSP
R932 0
R936 0
R940 0
DMLK
DTLK
DMBK
DTBK
R929 stby
R930 stby
R931 47
R933 100
R934 100
R935 47
LRCK
MCLK
BCK
DT
IC954
SN74LV157APW
GNDD
R937 100
R938 100
R939 47
R941 stby
R942 stby
R943 47
DTMK
DMTD
DTMK
DTLK
DTBK
L 8/8
R945 0
R946 0
R948 0
R947 0
STBY
DSPOUT
ADMK
ADLK
ADBK
ADFD

(F) 🡆 : AUDIO SIGNAL ROUTE(F)

(C) 🡆 : AUDIO SIGNAL ROUTE(C)

(S) 🡆 : AUDIO SIGNAL ROUTE(S)

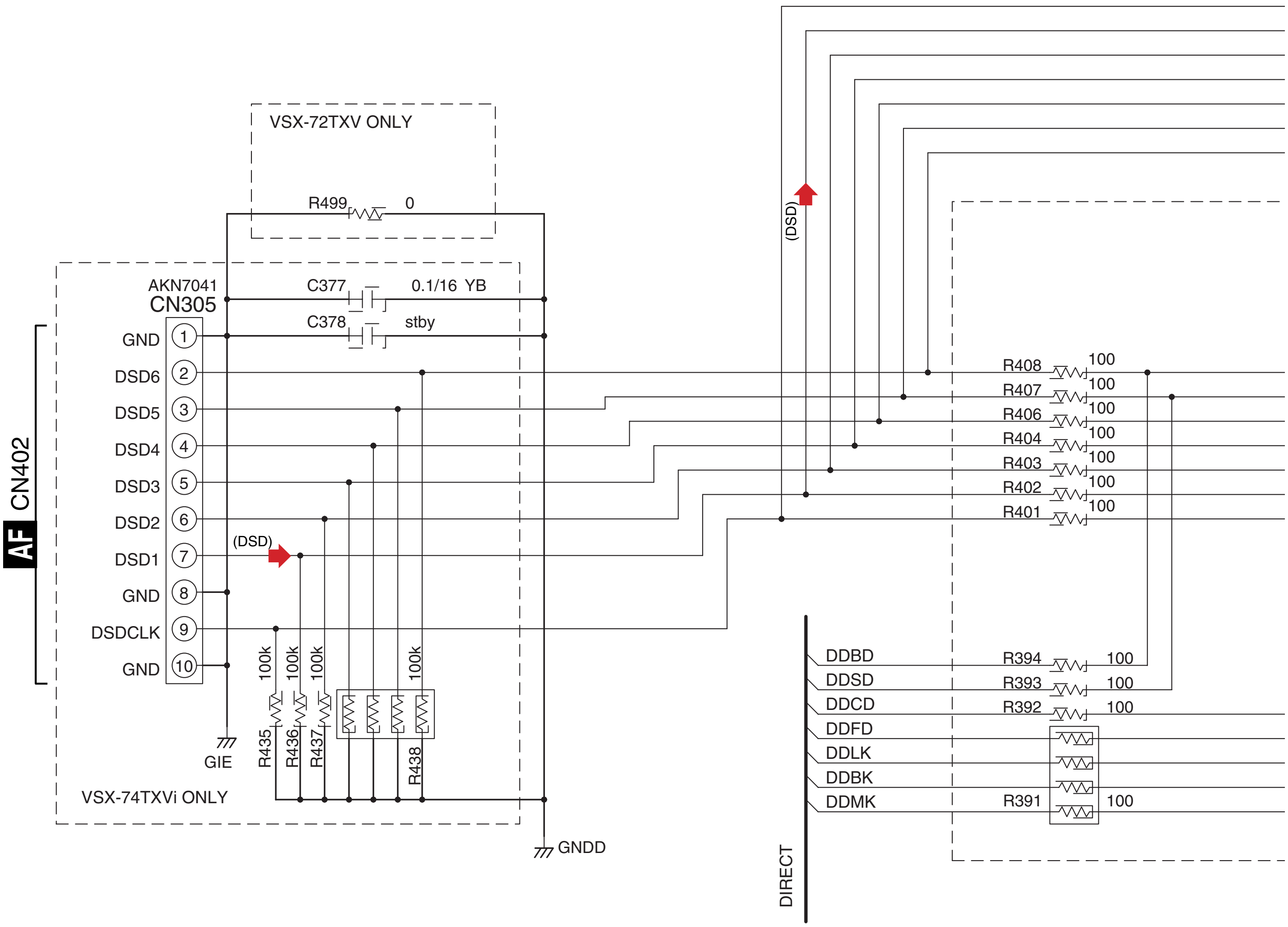
(SB) 🡆 : AUDIO SIGNAL ROUTE(SB)

NOTE

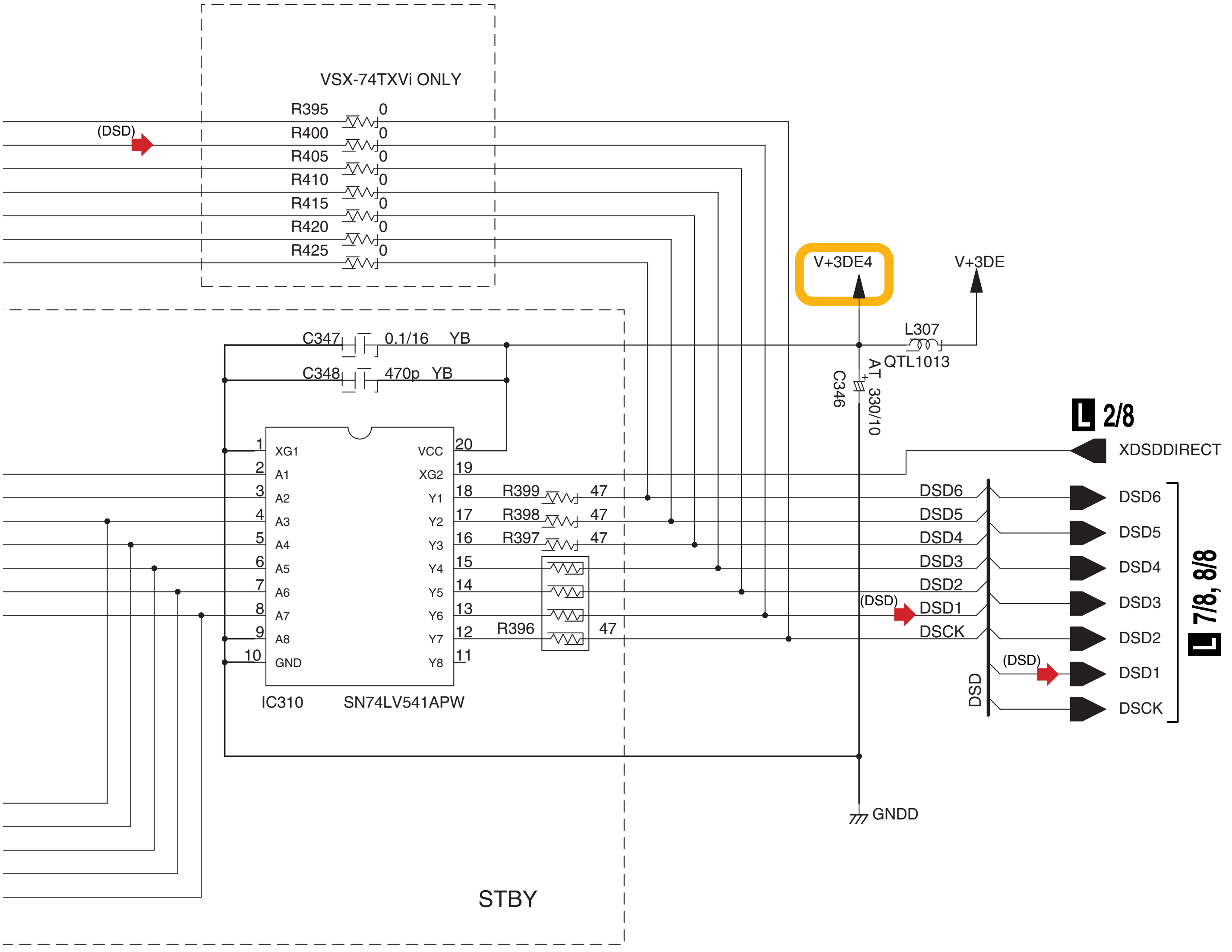
1.RESISTORS
Unit: k-k , M-M or unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: (J) 5% unless otherwise noted.

2.CAPACITORS
Unit: p-pF or µF unless otherwise noted.
Ratings: Capacity(µF)/Voltage(V) unless otherwise noted.
Rated Voltage: 50V expect for electrolytic capacitors.
AT:CEAT AL:CEAL

3.18 DIGITAL MOTHER ASSY (6/8)

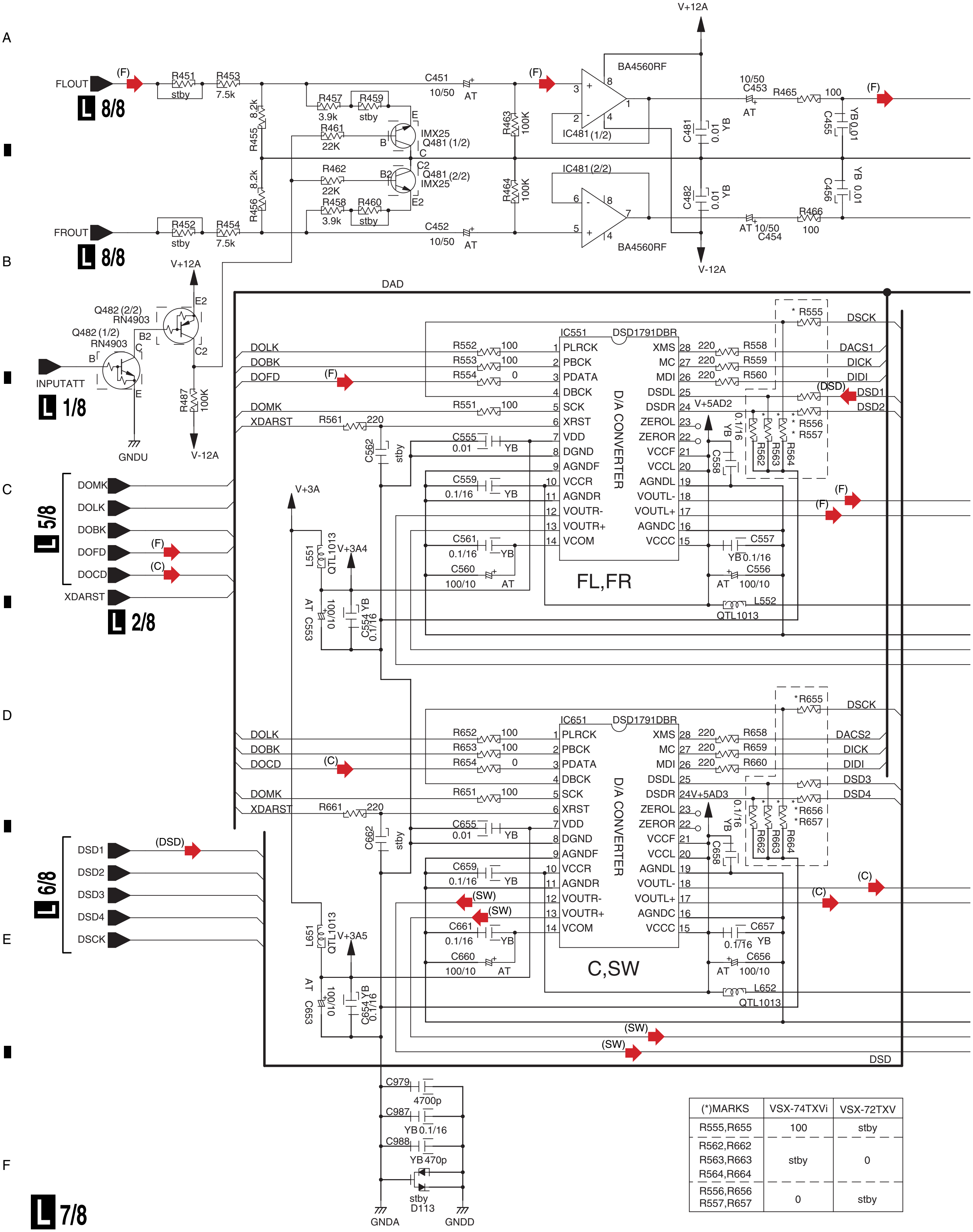

VSX-72TXV ONLY
R499
0
AKN7041
CN305
C377
0.1/16 YB
C378
stby
AF
CN402
GND
DSD6
DSD5
DSD4
DSD3
DSD2
DSD1
GND
DSDCLK
GND
1
2
3
4
5
6
7
8
9
10
(DSD)
100k
100k
100k
100k
R435
R436
R437
R438
GIE
VSX-74TXVi ONLY
GNDD
(DSD)
R408
R407
R406
R404
R403
R402
R401
100
100
100
100
100
100
100
DDBD
DDSD
DDCD
DDFD
DDLK
DDBK
DDMK
R394
R393
R392
R391
100
100
100
100
DIRECT

L 6/8 DIGITAL MOTHER ASSY
(VSX-74TXVi:AWP7037)
(VSX-72TXV:AWP7041)


VSX-74TXVi ONLY
R395 0
(DSD)
R400 0
R405 0
R410 0
R415 0
R420 0
R425 0
V+3DE4
V+3DE
L307
QTL1013
C346
AT 330/10
C347 0.1/16 YB
C348 470p YB
L 2/8
XDSDDIRECT
1 XG1
2 A1
3 A2
4 A3
5 A4
6 A5
7 A6
8 A7
9 A8
10 GND
20 VCC
19 XG2
18 Y1
17 Y2
16 Y3
15 Y4
14 Y5
13 Y6
12 Y7
11 Y8
R399 47
R398 47
R397 47
R396 47
IC310 SN74LV541APW
DSD6
DSD5
DSD4
DSD3
DSD2
(DSD)
DSD1
DSCK
DSD
DSD6
DSD5
DSD4
DSD3
DSD2
(DSD)
DSD1
DSCK
L 7/8, 8/8
GNDD
STBY

(DSD) : AUDIO SIGNAL ROUTE(DSD)

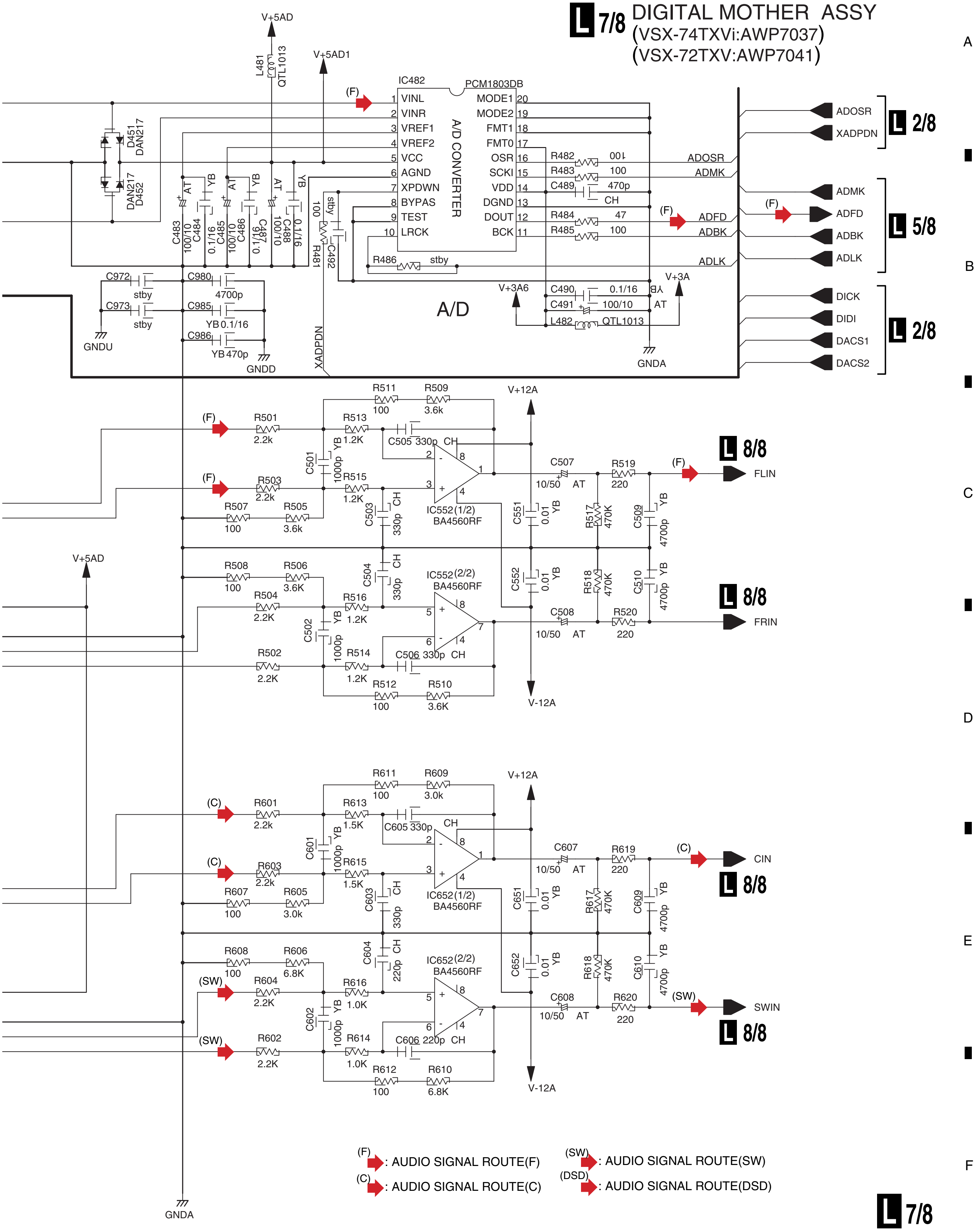
3.19 DIGITAL MOTHER ASSY (7/8)



FLOUT
FROUT
(F)
L 8/8
R451
R453
R452
R454
stby
7.5k
R455 8.2k
R456 8.2k
R457 3.9k
R458 3.9k
R459 stby
R460 stby
R461 22K
R462 22K
IMX25
Q481 (1/2)
Q481 (2/2)
C451 10/50 AT
C452 10/50 AT
R463 100K
R464 100K
V+12A
V-12A
BA4560RF
IC481 (1/2)
IC481 (2/2)
C481 0.01 YB
C482 0.01 YB
10/50 C453 AT
AT 10/50 C454
R465 100
R466 100
C455 YB 0.01
C456 YB 0.01
Q482 (2/2) RN4903
Q482 (1/2) RN4903
INPUTATT
L 1/8
GNDU
R487 100K
DAD
IC551 DSD1791DBR
D/A CONVERTER
FL,FR
PLRCK
PBCK
PDATA
DBCK
SCK
XRST
VDD
DGND
AGNDF
VCCR
AGNDR
VOUTR-
VOUTR+
VCOM
XMS
MC
MDI
DSDL
DSDR
ZEROL
ZEROR
VCCF
VCCL
AGNDL
VOUTL-
VOUTL+
AGNDC
VCCC
DOLK
DOBK
DOFD
DOMK
XDARST
R552 100
R553 100
R554 0
R551 100
R561 220
R558 220
R559 220
R560 220
* R555
* R556
* R557
R562
R563
R564
DSCK
DACS1
DICK
DIDI
DSD1
DSD2
(DSD)
V+5AD2
C555 0.01 YB
C562 stby
C559 0.1/16 YB
C561 0.1/16 YB
C560 100/10 AT
C557 YB 0.1/16
C556 AT 100/10
C558 0.1/16 YB
L552 QTL1013
V+3A
V+3A4
L551 QTL1013
C553 AT 100/10
C554 YB 0.1/16
DOMK
DOLK
DOBK
DOFD
DOCD
(C)
L 5/8
XDARST
L 2/8
IC651 DSD1791DBR
C,SW
DOCD
R652 100
R653 100
R654 0
R651 100
R661 220
R658 220
R659 220
R660 220
*R655
*R656
*R657
R662
R663
R664
DACS2
DSD3
DSD4
V+5AD3
C655 0.01 YB
C662 stby
C659 0.1/16 YB
C661 0.1/16 YB
C660 100/10 AT
C657 0.1/16 YB
C656 AT 100/10
C658 0.1/16 YB
L652 QTL1013
V+3A5
L651 QTL1013
C653 AT 100/10
C654 YB 0.1/16
(SW)
DSD1
DSD2
DSD3
DSD4
DSCK
L 6/8
DSD
C979 4700p
C987 YB 0.1/16
C988 YB 470p
stby D113
GNDA
GNDD
L 7/8

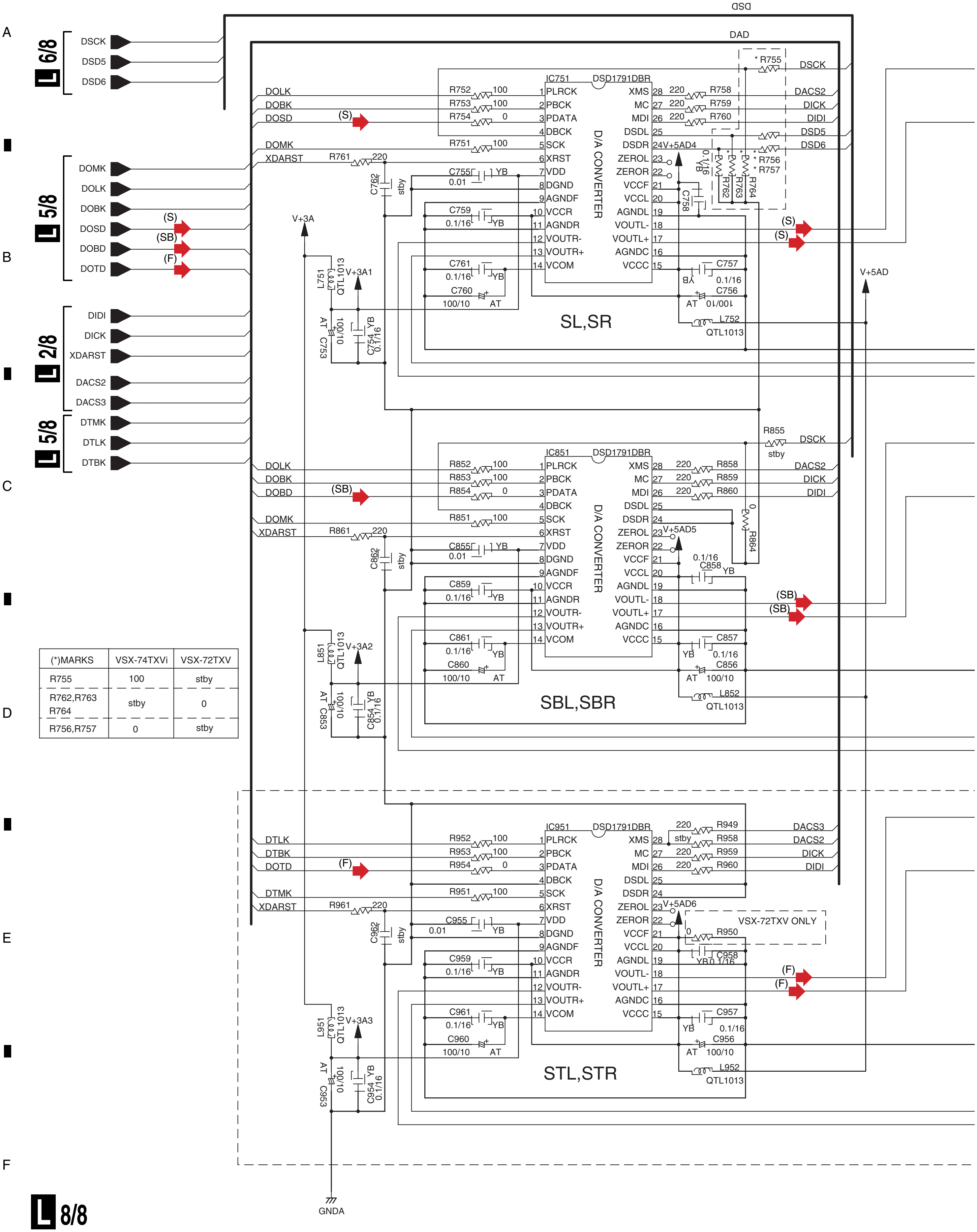
(*)MARKS	VSX-74TXVi	VSX-72TXV
R555,R655	100	stby
R562,R662 R563,R663 R564,R664	stby	0
R556,R656 R557,R657	0	stby

L 7/8 DIGITAL MOTHER ASSY
(VSX-74TXVi:AWP7037)
(VSX-72TXV:AWP7041)


V+5AD
L481
QTL1013
V+5AD1
IC482
PCM1803DB
A/D CONVERTER
1 VINL
2 VINR
3 VREF1
4 VREF2
5 VCC
6 AGND
7 XPDWN
8 BYPAS
9 TEST
10 LRCK
MODE1 20
MODE2 19
FMT1 18
FMT0 17
OSR 16
SCKI 15
VDD 14
DGND 13
DOUT 12
BCK 11
R482 100
R483 100
C489 470p CH
R484 47
R485 100
R486 stby
(F)
ADOSR
ADMK
ADFD
ADBK
ADLK
XADPDN
ADOSR
XADPDN
L 2/8
ADMK
ADFD
ADBK
ADLK
L 5/8
DICK
DIDI
DACS1
DACS2
L 2/8
D451 DAN217
D452 DAN217
C483 100/10 AT
C484 0.1/16 YB
C485 100/10 AT
C486 0.1/16 YB
C487 100/10 AT
C488 0.1/16 YB
R481 100 stby
C492
C972 stby
C973 stby
C980 4700p
C985 YB 0.1/16
C986 YB 470p
GNDU
GNDD
XADPDN
A/D
V+3A6
V+3A
C490 0.1/16 YB
C491 100/10 AT
L482 QTL1013
GNDA
R511 100
R509 3.6k
R501 2.2k
R513 1.2K
C505 330p CH
C501 1000p YB
R503 2.2k
R515 1.2K
R507 100
R505 3.6k
C503 330p CH
IC552 (1/2) BA4560RF
V+12A
C507 10/50 AT
R519 220
FLIN
L 8/8
C551 0.01 YB
R517 470K
C509 4700p YB
R508 100
R506 3.6K
C504 330p CH
IC552 (2/2) BA4560RF
R504 2.2K
R516 1.2K
C502 1000p YB
R502 2.2K
R514 1.2K
C506 330p CH
R512 100
R510 3.6K
C552 0.01 YB
R518 470K
C510 4700p YB
C508 10/50 AT
R520 220
FRIN
L 8/8
V-12A
V+5AD
R611 100
R609 3.0k
R601 2.2k
R613 1.5K
C605 330p CH
C601 1000p YB
(C)
R603 2.2k
R615 1.5K
R607 100
R605 3.0k
C603 330p CH
IC652 (1/2) BA4560RF
V+12A
C607 10/50 AT
R619 220
CIN
L 8/8
C651 0.01 YB
R617 470K
C609 4700p YB
R608 100
R606 6.8K
C604 220p CH
IC652 (2/2) BA4560RF
(SW)
R604 2.2K
R616 1.0K
C602 1000p YB
R602 2.2K
R614 1.0K
C606 220p CH
R612 100
R610 6.8K
C652 0.01 YB
R618 470K
C610 4700p YB
C608 10/50 AT
R620 220
SWIN
L 8/8
V-12A
GNDA

(F) : AUDIO SIGNAL ROUTE(F)
(C) : AUDIO SIGNAL ROUTE(C)
(SW) : AUDIO SIGNAL ROUTE(SW)
(DSD) : AUDIO SIGNAL ROUTE(DSD)

3.20 DIGITAL MOTHER ASSY (8/8)

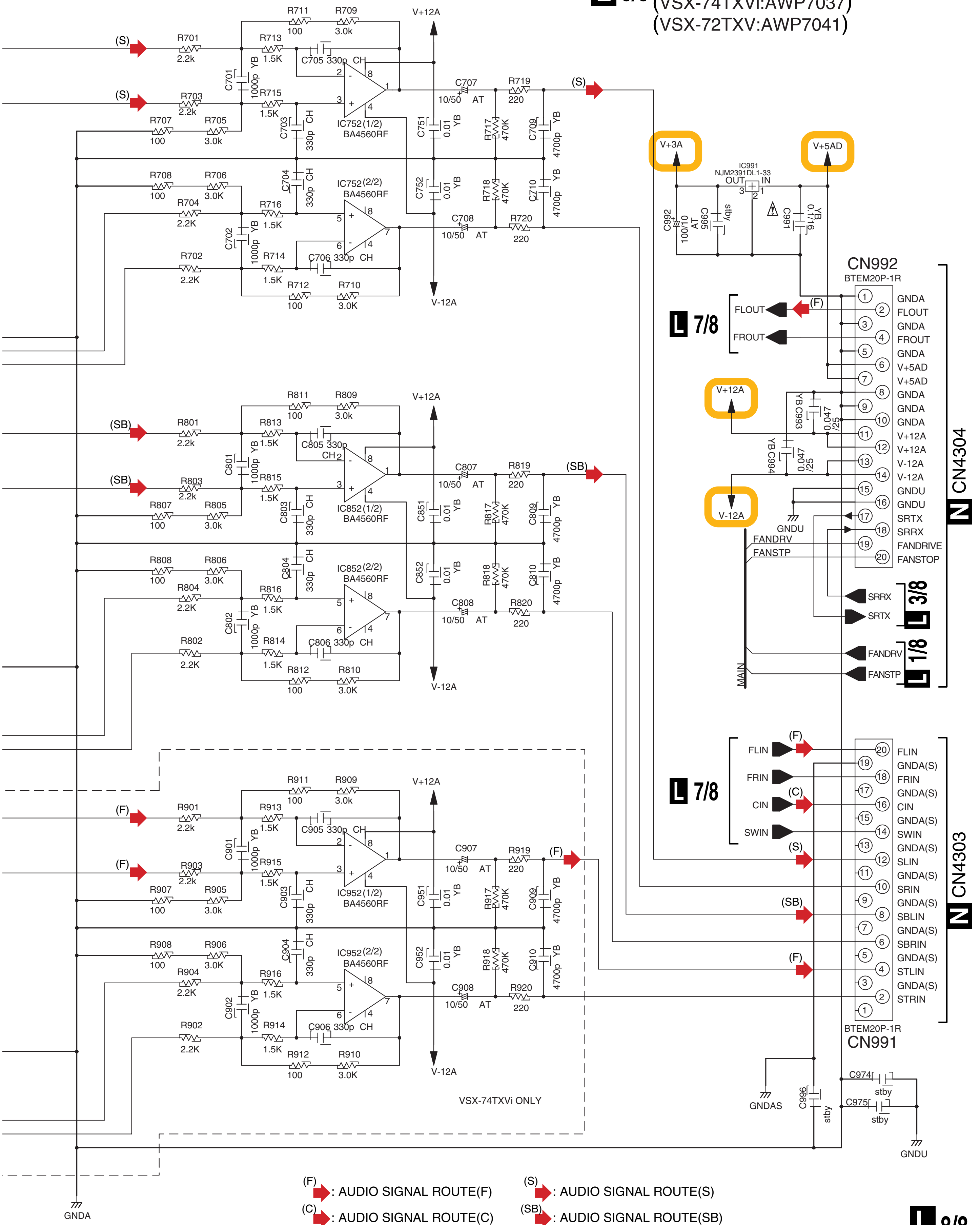


L 6/8
DSCK
DSD5
DSD6
L 5/8
DOMK
DOLK
DOBK
DOSD
DOBD
DOTD
(S)
(SB)
(F)
L 2/8
DIDI
DICK
XDARST
DACS2
DACS3
L 5/8
DTMK
DTLK
DTBK
DSD
DAD
V+3A
V+5AD
IC751
DSD1791DBR
D/A CONVERTER
PLRCK
PBCK
PDATA
DBCK
SCK
XRST
VDD
DGND
AGNDF
VCCR
AGNDR
VOUTR-
VOUTR+
VCOM
XMS
MC
MDI
DSDL
DSDR
ZEROL
ZEROR
VCCF
VCCL
AGNDL
VOUTL-
VOUTL+
AGNDC
VCCC
R752 100
R753 100
R754 0
R751 100
R761 220
C755 0.01 YB
C762 stby
C759 0.1/16 YB
C761 0.1/16 YB
C760 100/10 AT
L751 QTL1013
V+3A1
C753 100/10 AT
C754 0.1/16 YB
R758 220
R759 220
R760 220
* R755
* R756
* R757
* R762
* R763
* R764
V+5AD4
C758 0.1/16 YB
C757 0.1/16 YB
C756 100/10 AT
L752 QTL1013
SL,SR
IC851
R852 100
R853 100
R854 0
R851 100
R861 220
C855 0.01 YB
C862 stby
C859 0.1/16 YB
C861 0.1/16 YB
C860 100/10 AT
L851 QTL1013
V+3A2
C853 100/10 AT
C854 0.1/16 YB
R855 stby
R858 220
R859 220
R860 220
R864 0
V+5AD5
C858 0.1/16 YB
C857 0.1/16 YB
C856 100/10 AT
L852 QTL1013
SBL,SBR
IC951
DTLK
DTBK
DOTD
DTMK
R952 100
R953 100
R954 0
R951 100
R961 220
C955 0.01 YB
C962 stby
C959 0.1/16 YB
C961 0.1/16 YB
C960 100/10 AT
L951 QTL1013
V+3A3
C953 100/10 AT
C954 0.1/16 YB
R949 220
R958 stby
R959 220
R960 220
V+5AD6
VSX-72TXV ONLY
R950 0
C958 YB 0.1/16
C957 0.1/16 YB
C956 100/10 AT
L952 QTL1013
STL,STR
GNDA

(*)MARKS	VSX-74TXVi	VSX-72TXV
R755	100	stby
R762,R763 R764	stby	0
R756,R757	0	stby

L 8/8

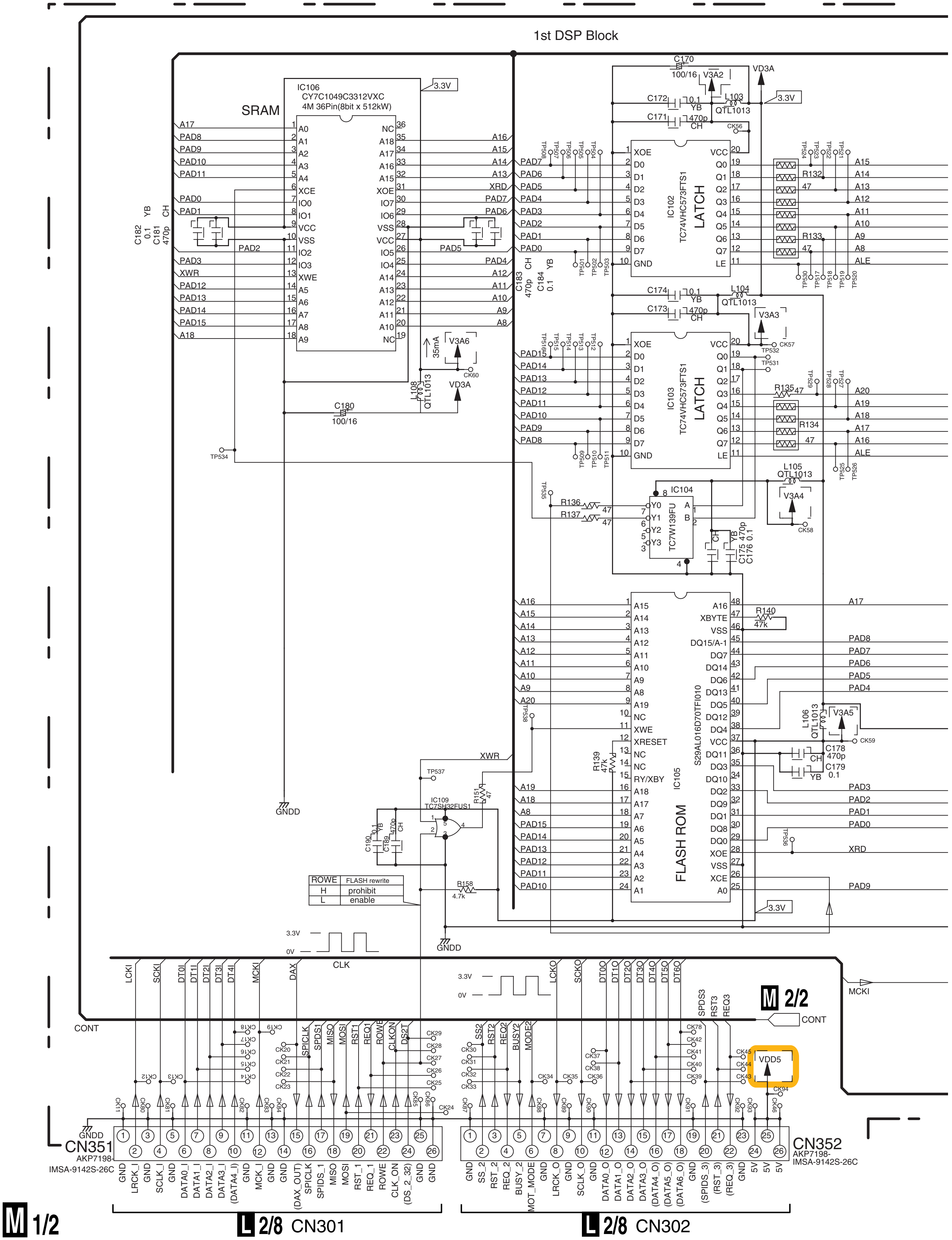
L 8/8 DIGITAL MOTHER ASSY
(VSX-74TXVi:AWP7037)
(VSX-72TXV:AWP7041)


A
B
C
D
E
F
(S)
R701
2.2k
(S)
R703
2.2k
R707
100
R705
3.0k
C701
1000p
YB
R711
100
R709
3.0k
R713
1.5K
C705 330p CH
R715
1.5K
C703
330p
CH
IC752 (1/2)
BA4560RF
V+12A
C707
10/50 AT
R719
220
C751
0.01
YB
R717
470K
C709
4700p
YB
R708
100
R706
3.0K
R704
2.2k
C704
330p
CH
IC752 (2/2)
BA4560RF
R716
1.5K
C702
1000p
YB
R702
2.2K
R714
1.5K
C706 330p CH
R712
100
R710
3.0K
C752
0.01
YB
C708
10/50 AT
R718
470K
R720
220
C710
4700p
YB
V-12A
(SB)
R801
2.2k
(SB)
R803
2.2k
R807
100
R805
3.0k
C801
1000p
YB
R811
100
R809
3.0k
R813
1.5K
C805 330p CH
R815
1.5K
C803
330p
CH
IC852 (1/2)
BA4560RF
C807
10/50 AT
R819
220
C851
0.01
YB
R817
470K
C809
4700p
YB
R808
100
R806
3.0K
R804
2.2k
C804
330p
CH
IC852 (2/2)
BA4560RF
R816
1.5K
C802
1000p
YB
R802
2.2K
R814
1.5K
C806 330p CH
R812
100
R810
3.0K
C852
0.01
YB
C808
10/50 AT
R818
470K
R820
220
C810
4700p
YB
(F)
R901
2.2k
(F)
R903
2.2k
R907
100
R905
3.0k
C901
1000p
YB
R911
100
R909
3.0k
R913
1.5K
C905 330p CH
R915
1.5K
C903
330p
CH
IC952 (1/2)
BA4560RF
C907
10/50 AT
R919
220
C951
0.01
YB
R917
470K
C909
4700p
YB
R908
100
R906
3.0K
R904
2.2k
C904
330p
CH
IC952 (2/2)
BA4560RF
R916
1.5K
C902
1000p
YB
R902
2.2K
R914
1.5K
C906 330p CH
R912
100
R910
3.0K
C952
0.01
YB
C908
10/50 AT
R918
470K
R920
220
C910
4700p
YB
VSX-74TXVi ONLY
GNDA
V+3A
V+5AD
IC991
NJM2391DL1-33
OUT
IN
C992
100/10
AT
C995
stby
C991
0.1/16
YB
CN992
BTEM20P-1R
L 7/8
FLOUT
FROUT
V+12A
YB C993
0.047/25
YB C994
0.047/25
V-12A
GNDU
FANDRV
FANSTP
MAIN
1 GNDA
2 FLOUT
3 GNDA
4 FROUT
5 GNDA
6 V+5AD
7 V+5AD
8 GNDA
9 GNDA
10 GNDA
11 V+12A
12 V+12A
13 V-12A
14 V-12A
15 GNDU
16 GNDU
17 SRTX
18 SRRX
19 FANDRIVE
20 FANSTOP
N CN4304
SRRX
SRTX
L 3/8
FANDRV
FANSTP
L 1/8
L 7/8
FLIN
FRIN
CIN
SWIN
(C)
20 FLIN
19 GNDA(S)
18 FRIN
17 GNDA(S)
16 CIN
15 GNDA(S)
14 SWIN
13 GNDA(S)
12 SLIN
11 GNDA(S)
10 SRIN
9 GNDA(S)
8 SBLIN
7 GNDA(S)
6 SBRIN
5 GNDA(S)
4 STLIN
3 GNDA(S)
2 STRIN
1
N CN4303
BTEM20P-1R
CN991
GNDAS
C996
stby
C974
stby
C975
stby
GNDU

(F): AUDIO SIGNAL ROUTE(F)
(C): AUDIO SIGNAL ROUTE(C)
(S): AUDIO SIGNAL ROUTE(S)
(SB): AUDIO SIGNAL ROUTE(SB)

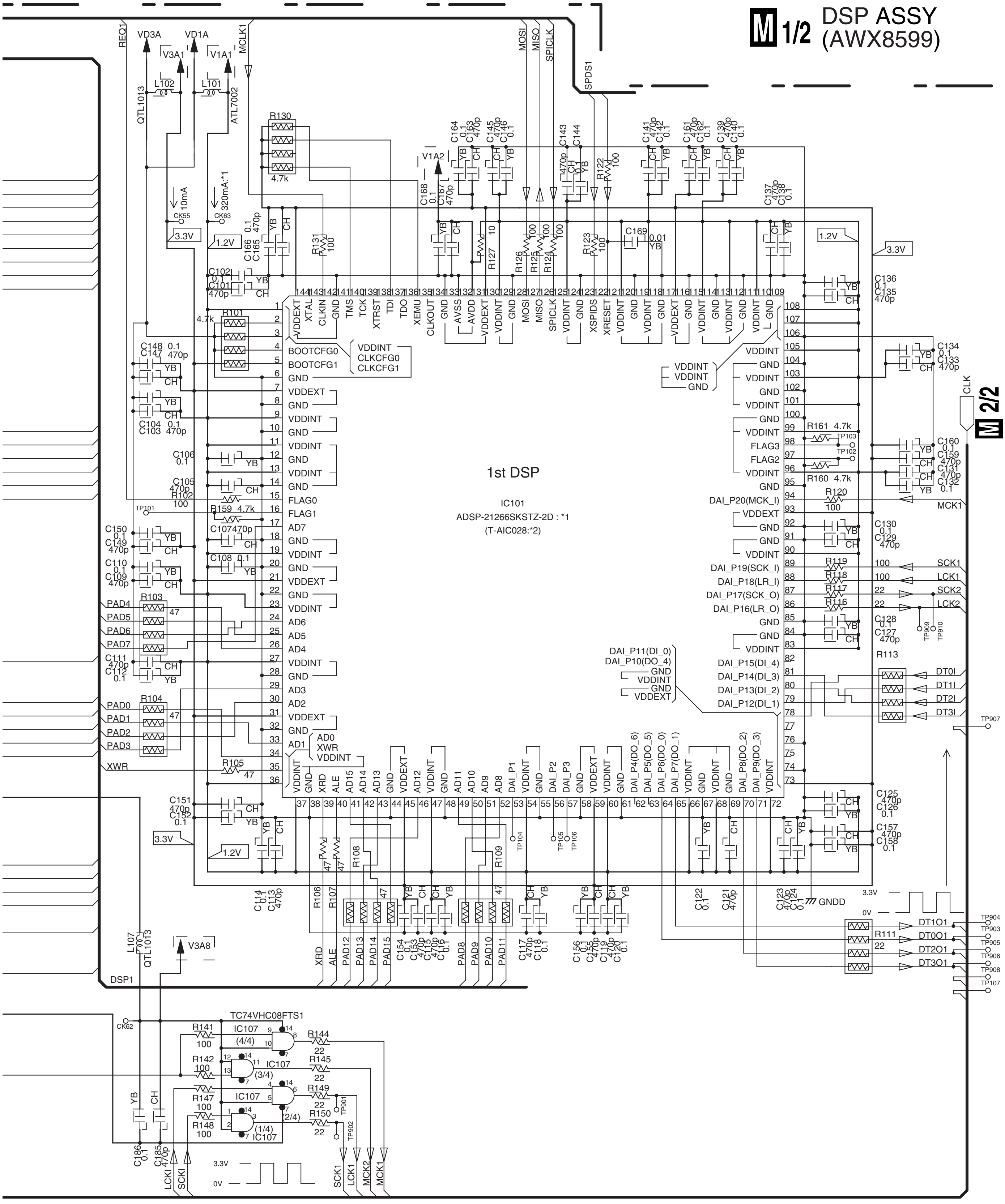
L 8/8

3.21 DSP ASSY (1/2)



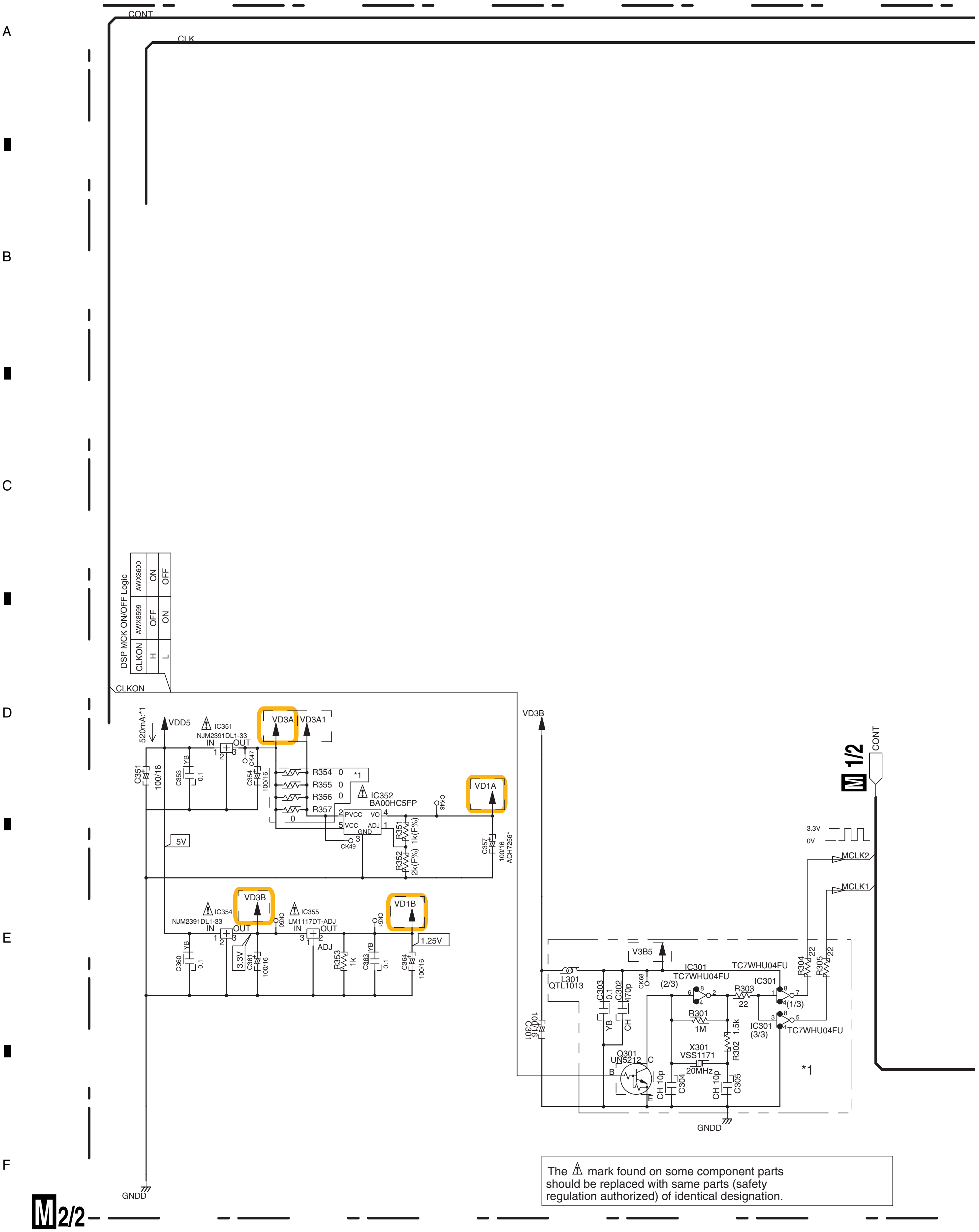
1st DSP Block
SRAM
IC106
CY7C1049C3312VXC
4M 36Pin(8bit x 512kW)
3.3V
C182 0.1 YB
C181 470p CH
C180 100/16
L108 QTL1013
V3A6
35mA
VD3A
CK60
TP534
GNDD
IC102
TC74VHC573FTS1
LATCH
IC103
TC74VHC573FTS1
LATCH
C170 100/16
V3A2
VD3A
C172 0.1 YB
C171 470p CH
L103 QTL1013
CK56
C183 470p CH
C184 0.1 YB
C174 0.1 YB
C173 470p CH
L104 QTL1013
V3A3
CK57
R132 47
R133 47
R135 47
R134 47
L105 QTL1013
V3A4
CK58
IC104
TC7W139FU
R136 47
R137 47
C175 470p CH
C176 0.1 YB
IC105
S29AL016D70TFI010
FLASH ROM
R140 47k
R139 47k
L106 QTL1013
V3A5
CK59
C178 470p CH
C179 0.1 YB
IC109
TC7SH32FUS1
R151 47
R158 4.7k
C190 0.1 YB
C189 470p CH
XWR
ROWE | FLASH rewrite
H | prohibit
L | enable
3.3V
0V
CLK
MCKI
CONT
M 2/2
VDD5
CN351
AKP7198-
IMSA-9142S-26C
CN352
AKP7198-
IMSA-9142S-26C
GND LRCK_I GND SCLK_I GND DATA0_I DATA1_I DATA2_I DATA3_I (DATA4_I) GND MCK_I GND GND (DAX_OUT) SPICLK SPIDS_1 MISO MOSI RST_1 REQ_1 ROWE CLK_ON (DS_2_32) GND GND
GND SS_2 RST_2 REQ_2 BUSY_2 MOT_MODE GND LRCK_O GND SCLK_O GND DATA0_O DATA1_O DATA2_O DATA3_O (DATA4_O) (DATA5_O) (DATA6_O) GND (SPDS_3) (RST_3) (REQ_3) GND 5V 5V 5V
M 1/2
L 2/8 CN301
L 2/8 CN302

M 1/2 DSP ASSY (AWX8599)


REQ1
VD3A
VD1A
V3A1
V1A1
MCLK1
L102
L101
QTL1013
ATL7002
R130
4.7k
MOSI
MISO
SPICLK
SPDS1
C164 0.1
C163 470p
C145 470p
C146 0.1
C143
C144
470p
0.1
R122 100
C141 470p
C142 0.1
C161 470p
C162 0.1
C139 470p
C140 0.1
C137 470p
C138 0.1
V1A2
C168 0.1
C167 470p
10mA
320mA:*1
CK55
CK63
3.3V
1.2V
C166 0.1
C165 470p
YB
CH
R131 100
R127 10
R126 100
R125 100
R124 100
R123 100
C169 0.01
C102 0.1
C101 470p
R101 4.7k
C148 0.1
C147 470p
C104 0.1
C103 470p
C106 0.1
C105 470p
R102 100
TP101
R159 4.7k
C107 470p
C108 0.1
C150 0.1
C149 470p
C110 0.1
C109 470p
PAD4
PAD5
PAD6
PAD7
R103
47
C111 470p
C112 0.1
PAD0
PAD1
PAD2
PAD3
R104
47
XWR
R105 47
C151 470p
C152 0.1
3.3V
1.2V
1st DSP
IC101
ADSP-21266SKSTZ-2D : *1
(T-AIC028:*2)
VDDEXT
XTAL
CLKIN
GND
TMS
TCK
XTRST
TDI
TDO
XEMU
CLKOUT
AVSS
AVDD
VDDINT
MOSI
MISO
SPICLK
XSPIDS
XRESET
BOOTCFG0
BOOTCFG1
CLKCFG0
CLKCFG1
FLAG0
FLAG1
AD7
AD6
AD5
AD4
AD3
AD2
AD1
AD0
FLAG3
FLAG2
DAI_P20(MCK_I)
DAI_P19(SCK_I)
DAI_P18(LR_I)
DAI_P17(SCK_O)
DAI_P16(LR_O)
DAI_P11(DI_0)
DAI_P10(DO_4)
DAI_P15(DI_4)
DAI_P14(DI_3)
DAI_P13(DI_2)
DAI_P12(DI_1)
XRD
ALE
AD15
AD14
AD13
AD12
AD11
AD10
AD9
AD8
DAI_P1
DAI_P2
DAI_P3
DAI_P4(DO_6)
DAI_P5(DO_5)
DAI_P6(DO_0)
DAI_P7(DO_1)
DAI_P8(DO_2)
DAI_P9(DO_3)
1.2V
3.3V
C136 0.1
C135 470p
C134 0.1
C133 470p
CLK
M 2/2
R161 4.7k
TP103
TP102
R160 4.7k
C160 0.1
C159 470p
C131 470p
C132 0.1
R120 100
MCK1
C130 0.1
C129 470p
R119 100
R118 100
R117 22
R116 22
SCK1
LCK1
SCK2
LCK2
C128 0.1
C127 470p
TP909
TP910
R113
DT0I
DT1I
DT2I
DT3I
TP907
C125 470p
C126 0.1
C157 470p
C158 0.1
TP104
TP105
TP106
R106 47
R107 47
R108 47
R109 47
C114 0.1
C113 470p
C122 0.1
C121 470p
C123 470p
C124 0.1
GNDD
XRD
ALE
PAD12
PAD13
PAD14
PAD15
C154 0.1
C153 470p
C115 470p
C116 0.1
PAD8
PAD9
PAD10
PAD11
C117 470p
C118 0.1
C156 0.1
C155 470p
C119 470p
C120 0.1
3.3V
0V
R111 22
DT1O1
DT0O1
DT2O1
DT3O1
TP904
TP903
TP905
TP906
TP908
TP107
L107
QTL1013
V3A8
DSP1
CK62
TC74VHC08FTS1
R141 100
IC107 (4/4)
R144 22
R142 100
IC107 (3/4)
R145 22
R147 100
IC107
R149 22
R148 100
(1/4) IC107
R150 22
(2/4)
TP901
TP902
C186 0.1
C185 470p
LCKI
SCKI
3.3V
0V
SCK1
LCK1
MCK2
MCK1

M 1/2

3.22 DSP ASSY (2/2)

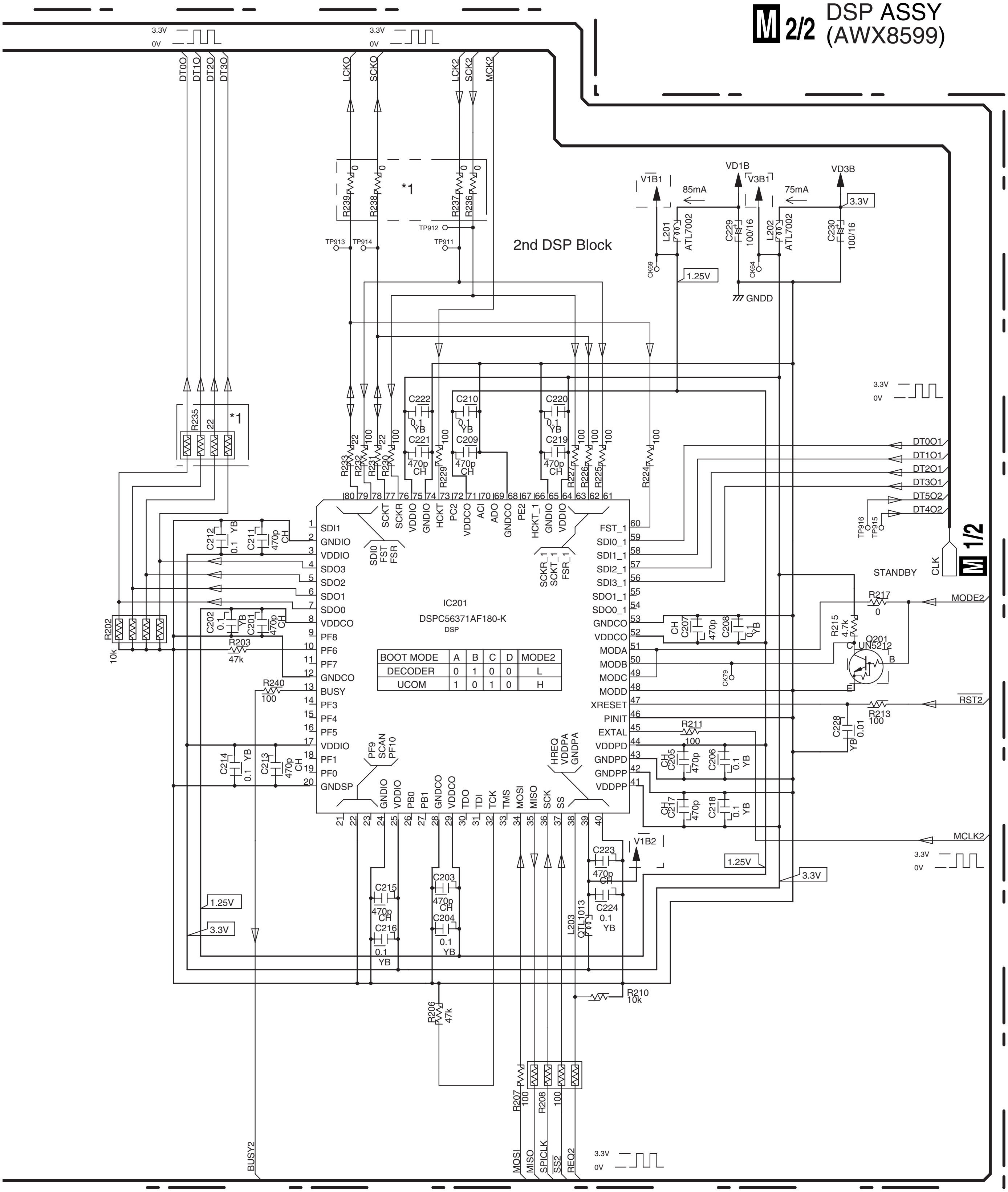

CONT
CLK
CLKON
520mA:*1
VDD5
IC351
NJM2391DL1-33
IN
OUT
CK47
C351
100/16
C353
YB
0.1
C354
100/16
VD3A
VD3A1
R354 0
R355 0
R356 0
R357
0
*1
IC352
BA00HC5FP
PVCC
VO
VCC
ADJ
GND
CK49
CK48
R351 1k(F%)
R352 2k(F%)
VD1A
C357
100/16
ACH7256*
5V
VD3B
IC354
NJM2391DL1-33
CK50
3.3V
C360
YB
0.1
C361
100/16
IC355
LM1117DT-ADJ
ADJ
CK51
R353 1k
C363
YB
0.1
VD1B
1.25V
C364
100/16
GNDD
VD3B
V3B5
L301
QTL1013
C303 0.1 YB
C302 470p CH
CK68
C301 100/16
IC301
TC7WHU04FU
(2/3)
R303 22
IC301
(1/3)
IC301 (3/3)
TC7WHU04FU
R301 1M
R302 1.5k
X301
VSS1171
20MHz
Q301
UN5212
B
C
E
CH 10p C304
CH 10p C305
R304 22
R305 22
*1
MCLK2
MCLK1
3.3V
0V
M 1/2
CONT
GNDD
M 2/2

DSP MCK ON/OFF Logic

CLKON	AWX8599	AWX8600
H	OFF	ON
L	ON	OFF

The ⚠ mark found on some component parts should be replaced with same parts (safety regulation authorized) of identical designation.

M 2/2 DSP ASSY (AWX8599)


2nd DSP Block
3.3V
0V
DT0O
DT1O
DT2O
DT3O
LCKO
SCKO
LCK2
SCK2
MCK2
R239 0
R238 0
R237 0
R236 0
*1
TP912
TP913
TP914
TP911
V1B1
VD1B
V3B1
VD3B
85mA
75mA
3.3V
L201
ATL7002
C229
100/16
L202
ATL7002
C230
100/16
CK69
CK64
1.25V
GNDD
R235 22
C222 0.1 YB
C221 470p CH
C210 0.1 YB
C209 470p CH
C220 0.1 YB
C219 470p CH
R233 22
R232 22
R231 100
R230 100
R229 100
R227 100
R226 100
R225 100
R224 100
DT0O1
DT1O1
DT2O1
DT3O1
DT5O2
DT4O2
TP916
TP915
CLK
M 1/2
STANDBY
R217 0
MODE2
R215 4.7k
Q201 UN5212
C
B
E
CK79
RST2
R213 100
C228 0.01 YB
R211 100
C207 470p CH
C208 0.1 YB
C205 470p CH
C206 0.1 YB
C217 470p CH
C218 0.1 YB
MCLK2
IC201
DSPC56371AF180-K
DSP
SDI1
GNDIO
VDDIO
SDO3
SDO2
SDO1
SDO0
VDDCO
PF8
PF6
PF7
GNDCO
BUSY
PF3
PF4
PF5
VDDIO
PF1
PF0
GNDSP
SCKT
SCKR
VDDIO
GNDIO
HCKT
PC2
VDDCO
ACI
ADO
GNDCO
PE2
HCKT_1
GNDIO
VDDIO
SDI0
FST
FSR
SCKR_1
SCKT_1
FSR_1
FST_1
SDI0_1
SDI1_1
SDI2_1
SDI3_1
SDO1_1
SDO0_1
GNDCO
VDDCO
MODA
MODB
MODC
MODD
XRESET
PINIT
EXTAL
VDDPD
GNDPD
GNDPP
VDDPP
HREQ
VDDPA
GNDPA
PF9
SCAN
PF10
GNDIO
VDDIO
PB0
PB1
GNDCO
VDDCO
TDO
TDI
TCK
TMS
MOSI
MISO
SCK
SS
C212 0.1 YB
C211 470p CH
C202 0.1 YB
C201 470p CH
R203 47k
R202 10k
R240 100
C214 0.1 YB
C213 470p CH
C215 470p CH
C216 0.1 YB
C203 470p CH
C204 0.1 YB
C223 470p CH
C224 0.1 YB
V1B2
L203 QTL1013
R206 47k
R210 10k
R207 100
R208 100
BUSY2
MOSI
MISO
SPICLK
SS2
REQ2

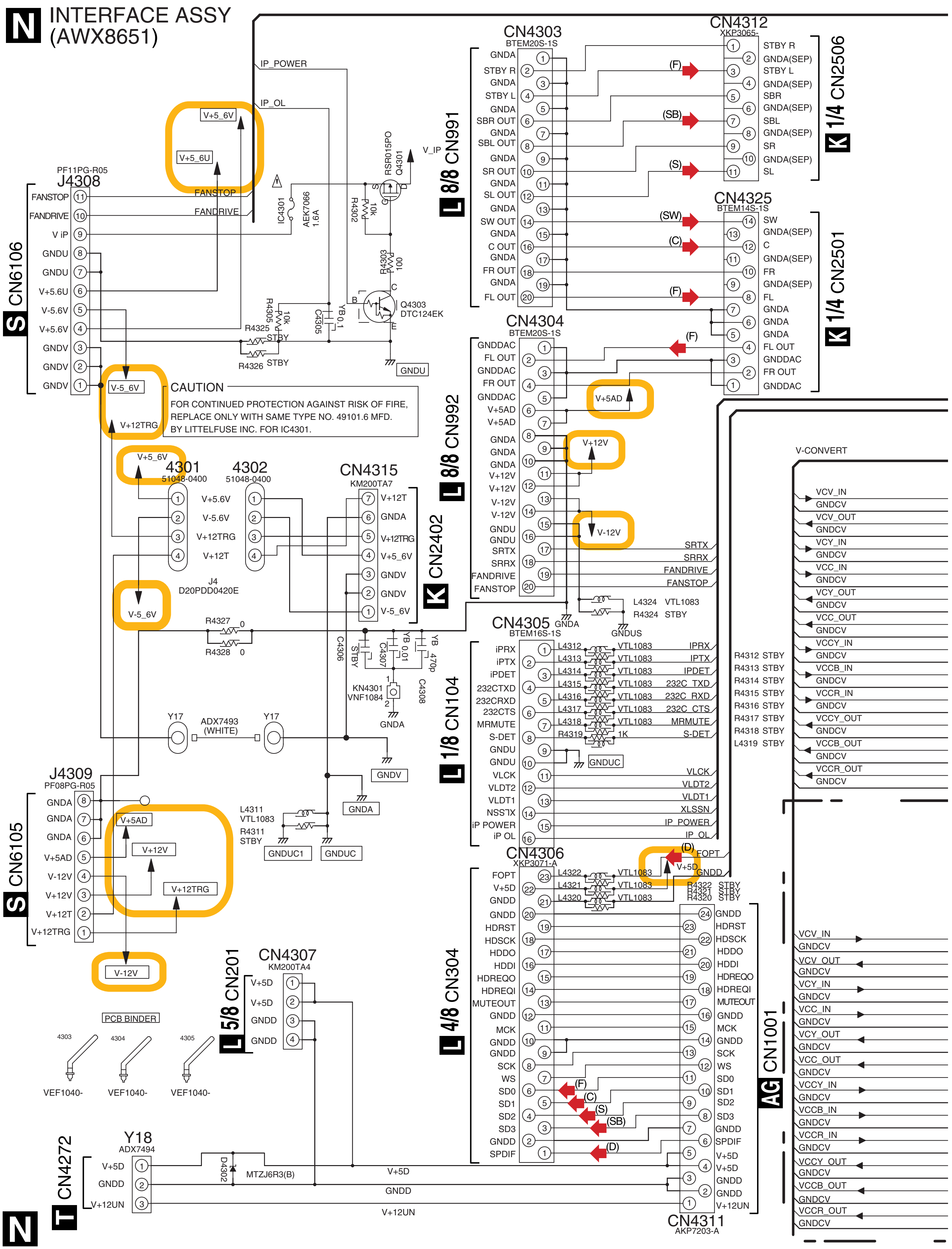
BOOT MODE	A	B	C	D	MODE2
DECODER	0	1	0	0	L
UCOM	1	0	1	0	H

NOTES:
NO INDICATED PARTS IS...

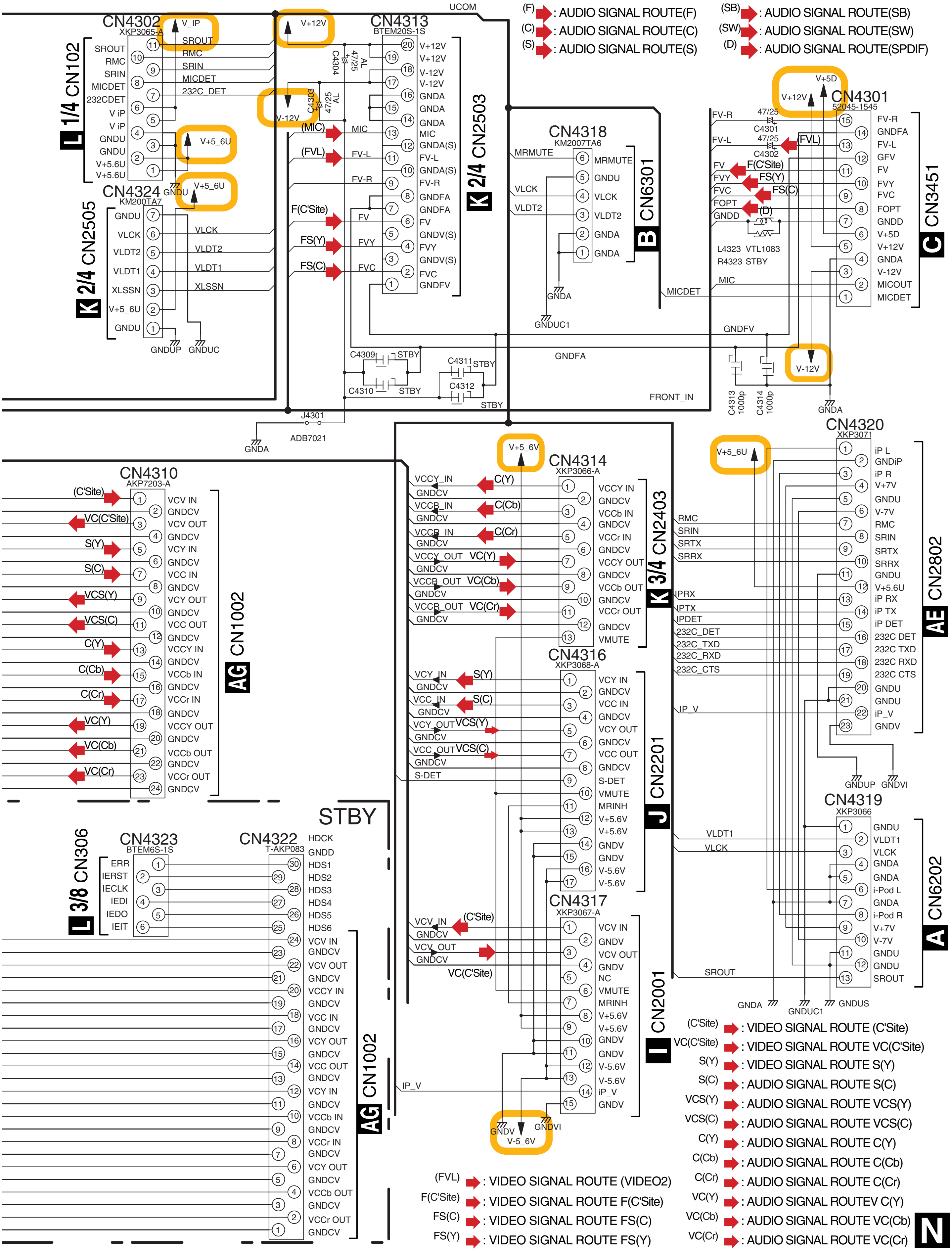
┤├	CCSRCH****50-T CKSRYB103K50-T CKSRYB104K16-T
┤┣	CEVW101M**-TRB
▨	RS1/16S***J-T
▨	RAB4C***J-T

UNLESS OTHERWISE NOTED

3.23 INTERFACE ASSY


N INTERFACE ASSY (AWX8651)
A
B
C
D
E
F
S CN6106
PF11PG-R05
J4308
FANSTOP 11
FANDRIVE 10
V iP 9
GNDU 8
GNDU 7
V+5.6U 6
V-5.6V 5
V+5.6V 4
GNDV 3
GNDV 2
GNDV 1
V+5_6V
V+5_6U
FANSTOP
FANDRIVE
IP_POWER
IP_OL
IC4301
AEK7066
1.6A
R4302
10k
RSR015P0
Q4301
V_IP
R4303
100
Q4303
DTC124EK
B
C
E
R4305
10k
C4305
YB 0.1
R4325
STBY
R4326 STBY
GNDU
V-5_6V
V+12TRG
CAUTION
FOR CONTINUED PROTECTION AGAINST RISK OF FIRE,
REPLACE ONLY WITH SAME TYPE NO. 49101.6 MFD.
BY LITTELFUSE INC. FOR IC4301.
V+5_6V
4301
51048-0400
4302
51048-0400
V+5.6V 1
V-5.6V 2
V+12TRG 3
V+12T 4
CN4315
KM200TA7
V+12T 7
GNDA 6
V+12TRG 5
V+5_6V 4
GNDV 3
GNDV 2
V-5_6V 1
K CN2402
J4
D20PDD0420E
V-5_6V
R4327 0
R4328 0
C4306
STBY
C4307
YB 0.01
YB 470p
KN4301
VNF1084
C4308
GNDA
Y17
ADX7493
(WHITE)
Y17
GNDV
J4309
PF08PG-R05
S CN6105
GNDA 8
GNDA 7
GNDA 6
V+5AD 5
V-12V 4
V+12V 3
V+12T 2
V+12TRG 1
V+5AD
V+12V
V+12TRG
V-12V
GNDA
L4311
VTL1083
R4311
STBY
GNDUC1
GNDUC
L 5/8 CN201
CN4307
KM200TA4
V+5D 1
V+5D 2
GNDD 3
GNDD 4
PCB BINDER
4303
4304
4305
VEF1040-
VEF1040-
VEF1040-
T CN4272
Y18
ADX7494
V+5D 1
GNDD 2
V+12UN 3
D4302
MTZJ6R3(B)
V+5D
GNDD
V+12UN
N
CN4303
BTEM20S-1S
L 8/8 CN991
GNDA 1
STBY R 2
GNDA 3
STBY L 4
GNDA 5
SBR OUT 6
GNDA 7
SBL OUT 8
GNDA 9
SR OUT 10
GNDA 11
SL OUT 12
GNDA 13
SW OUT 14
GNDA 15
C OUT 16
GNDA 17
FR OUT 18
GNDA 19
FL OUT 20
(F)
(SB)
(S)
(SW)
(C)
(F)
CN4312
XKP3065-
K 1/4 CN2506
STBY R 1
GNDA(SEP) 2
STBY L 3
GNDA(SEP) 4
SBR 5
GNDA(SEP) 6
SBL 7
GNDA(SEP) 8
SR 9
GNDA(SEP) 10
SL 11
CN4325
BTEM14S-1S
K 1/4 CN2501
SW 14
GNDA(SEP) 13
C 12
GNDA(SEP) 11
FR 10
GNDA(SEP) 9
FL 8
GNDA 7
GNDA 6
GNDA 5
FL OUT 4
GNDDAC 3
FR OUT 2
GNDDAC 1
CN4304
BTEM20S-1S
L 8/8 CN992
GNDDAC 1
FL OUT 2
GNDDAC 3
FR OUT 4
GNDDAC 5
V+5AD 6
V+5AD 7
GNDA 8
GNDA 9
GNDA 10
V+12V 11
V+12V 12
V-12V 13
V-12V 14
GNDU 15
GNDU 16
SRTX 17
SRRX 18
FANDRIVE 19
FANSTOP 20
V+5AD
V+12V
V-12V
SRTX
SRRX
FANDRIVE
FANSTOP
L4324 VTL1083
R4324 STBY
GNDA
GNDUS
V-CONVERT
VCV_IN
GNDCV
VCV_OUT
GNDCV
VCY_IN
GNDCV
VCC_IN
GNDCV
VCY_OUT
GNDCV
VCC_OUT
GNDCV
VCCY_IN
GNDCV
VCCB_IN
GNDCV
VCCR_IN
GNDCV
VCCY_OUT
GNDCV
VCCB_OUT
GNDCV
VCCR_OUT
GNDCV
CN4305
BTEM16S-1S
L 1/8 CN104
iPRX 1
iPTX 2
iPDET 3
232CTXD 4
232CRXD 5
232CTS 6
MRMUTE 7
S-DET 8
GNDU 9
GNDU 10
VLCK 11
VLDT2 12
VLDT1 13
NSS̄X̄ 14
iP POWER 15
iP OL 16
L4312 VTL1083 IPRX
L4313 VTL1083 IPTX
L4314 VTL1083 IPDET
L4315 VTL1083 232C TXD
L4316 VTL1083 232C RXD
L4317 VTL1083 232C CTS
L4318 VTL1083 MRMUTE
R4319 1K S-DET
GNDUC
VLCK
VLDT2
VLDT1
XLSSN
IP POWER
IP OL
R4312 STBY
R4313 STBY
R4314 STBY
R4315 STBY
R4316 STBY
R4317 STBY
R4318 STBY
L4319 STBY
CN4306
XKP3071-A
L 4/8 CN304
(D)
FOPT
V+5D
GNDD
L4322 VTL1083
L4321 VTL1083
L4320 VTL1083
R4322 STBY
R4321 STBY
R4320 STBY
FOPT 23
V+5D 22
GNDD 21
GNDD 20
HDRST 19
HDSCK 18
HDDO 17
HDDI 16
HDREQO 15
HDREQI 14
MUTEOUT 13
GNDD 12
MCK 11
GNDD 10
GNDD 9
SCK 8
WS 7
SD0 6
SD1 5
SD2 4
SD3 3
GNDD 2
SPDIF 1
(F)
(C)
(S)
(SB)
(D)
CN4311
AKP7203-A
AG CN1001
GNDD 24
HDRST 23
HDSCK 22
HDDO 21
HDDI 20
HDREQO 19
HDREQI 18
MUTEOUT 17
GNDD 16
MCK 15
GNDD 14
SCK 13
WS 12
SD0 11
SD1 10
SD2 9
SD3 8
GNDD 7
SPDIF 6
V+5D 5
V+5D 4
GNDD 3
GNDD 2
V+12UN 1
VCV_IN
GNDCV
VCV_OUT
GNDCV
VCY_IN
GNDCV
VCC_IN
GNDCV
VCY_OUT
GNDCV
VCC_OUT
GNDCV
VCCY_IN
GNDCV
VCCB_IN
GNDCV
VCCR_IN
GNDCV
VCCY_OUT
GNDCV
VCCB_OUT
GNDCV
VCCR_OUT
GNDCV

(F) : AUDIO SIGNAL ROUTE(F)
(C) : AUDIO SIGNAL ROUTE(C)
(S) : AUDIO SIGNAL ROUTE(S)
(SB) : AUDIO SIGNAL ROUTE(SB)
(SW) : AUDIO SIGNAL ROUTE(SW)
(D) : AUDIO SIGNAL ROUTE(SPDIF)



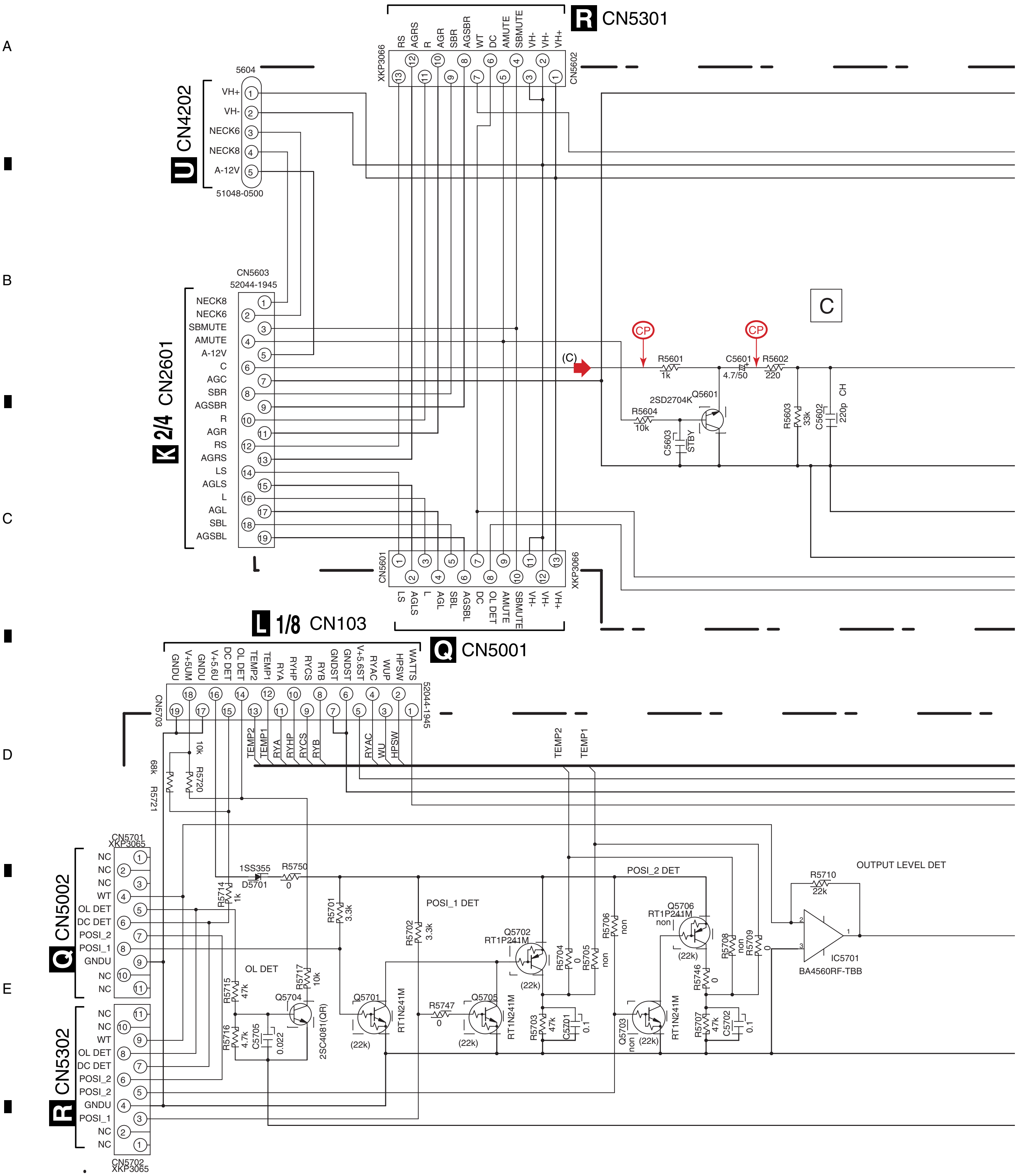
CN4302 XKP3065-A
SROUT RMC SRIN MICDET 232CDET V iP V iP GNDU GNDU V+5.6U V+5.6U
V_IP
L 1/4 CN102
CN4324 KM200TA7
GNDU VLCK VLDT2 VLDT1 XLSSN V+5_6U GNDU
V+5_6U
GNDUP GNDUC
K 2/4 CN2505
UCOM
V+12V
V-12V
C4304 47/25 AL
C4303 47/25 AL
CN4313 BTEM20S-1S
V+12V V+12V V-12V V-12V GNDA GNDA GNDA MIC GNDA(S) FV-L GNDA(S) FV-R GNDFA GNDFA FV GNDV(S) FVY GNDV(S) FVC GNDFV
(MIC) MIC (FVL) FV-L FV-R F(C'Site) FV FS(Y) FVY FS(C) FVC
K 2/4 CN2503
C4309 STBY C4310 STBY C4311 STBY C4312 STBY
J4301 ADB7021 GNDA
CN4318 KM2007TA6
MRMUTE GNDU VLCK VLDT2 GNDA GNDA
B CN6301
GNDA GNDUC1 GNDFA FRONT_IN MICDET GNDFV
CN4301 52045-1545
V+5D V+12V
FV-R GNDFA FV-L GFV FV FVY FVC FOPT GNDD V+5D V+12V GNDA V-12V MICOUT MICDET
C4301 47/25 C4302 47/25
(FVL) F(C'Site) FS(Y) FS(C) (D)
L4323 VTL1083 R4323 STBY MIC
C CN3451
V-12V
C4313 1000p C4314 1000p GNDA
CN4310 AKP7203-A
VCV IN GNDCV VCV OUT GNDCV VCY IN GNDCV VCC IN GNDCV VCY OUT GNDCV VCC OUT GNDCV VCCY IN GNDCV VCCb IN GNDCV VCCr IN GNDCV VCCY OUT GNDCV VCCb OUT GNDCV VCCr OUT GNDCV
(C'Site) VC(C'Site) S(Y) S(C) VCS(Y) VCS(C) C(Y) C(Cb) C(Cr) VC(Y) VC(Cb) VC(Cr)
AG CN1002
V+5_6V
CN4314 XKP3066-A
VCCY IN GNDCV VCCb IN GNDCV VCCr IN GNDCV VCCY OUT GNDCV VCCb OUT GNDCV VCCr OUT GNDCV VMUTE
C(Y) C(Cb) C(Cr) VC(Y) VC(Cb) VC(Cr)
K 3/4 CN2403
CN4316 XKP3068-A
VCY IN GNDCV VCC IN GNDCV VCY OUT GNDCV VCC OUT GNDCV S-DET VMUTE MRINH V+5.6V V+5.6V GNDV GNDV V-5.6V V-5.6V
S(Y) S(C) VCS(Y) VCS(C)
J CN2201
CN4317 XKP3067-A
VCV IN GNDV VCV OUT GNDV NC VMUTE MRINH V+5.6V V+5.6V GNDV GNDV V-5.6V V-5.6V iP_V GNDV
(C'Site) VC(C'Site) IP_V
I CN2001
GNDV V-5_6V GNDVI
STBY
CN4323 BTEM6S-1S
ERR IERST IECLK IEDI IEDO IEIT
L 3/8 CN306
CN4322 T-AKP083
HDCK GNDD HDS1 HDS2 HDS3 HDS4 HDS5 HDS6 VCV IN GNDCV VCV OUT GNDCV VCCY IN GNDCV VCC IN GNDCV VCY OUT GNDCV VCC OUT GNDCV VCY IN GNDCV VCCb IN GNDCV VCCr IN GNDCV VCY OUT GNDCV VCCb OUT GNDCV VCCr OUT GNDV
AG CN1002
V+5_6U
CN4320 XKP3071
iP L GNDiP iP R V+7V GNDU V-7V RMC SRIN SRTX SRRX GNDU V+5.6U iP RX iP TX iP DET 232C DET 232C TXD 232C RXD 232C CTS GNDU GNDU iP_V GNDV
RMC SRIN SRTX SRRX PRX PTX PDET 232C_DET 232C_TXD 232C_RXD 232C_CTS IP_V
GNDUP GNDVI
AE CN2802
CN4319 XKP3066
GNDU VLDT1 VLCK GNDA GNDA i-Pod L GNDA i-Pod R V+7V V-7V GNDU GNDU SROUT
VLDT1 VLCK SROUT
GNDA GNDUC1 GNDUS
A CN6202

(C'Site) : VIDEO SIGNAL ROUTE (C'Site)
VC(C'Site) : VIDEO SIGNAL ROUTE VC(C'Site)
S(Y) : VIDEO SIGNAL ROUTE S(Y)
S(C) : AUDIO SIGNAL ROUTE S(C)
VCS(Y) : AUDIO SIGNAL ROUTE VCS(Y)
VCS(C) : AUDIO SIGNAL ROUTE VCS(C)
C(Y) : AUDIO SIGNAL ROUTE C(Y)
C(Cb) : AUDIO SIGNAL ROUTE C(Cb)
C(Cr) : AUDIO SIGNAL ROUTE C(Cr)
VC(Y) : AUDIO SIGNAL ROUTEV C(Y)
VC(Cb) : AUDIO SIGNAL ROUTE VC(Cb)
VC(Cr) : AUDIO SIGNAL ROUTE VC(Cr)

(FVL) : VIDEO SIGNAL ROUTE (VIDEO2)
F(C'Site) : VIDEO SIGNAL ROUTE F(C'Site)
FS(C) : VIDEO SIGNAL ROUTE FS(C)
FS(Y) : VIDEO SIGNAL ROUTE FS(Y)

N

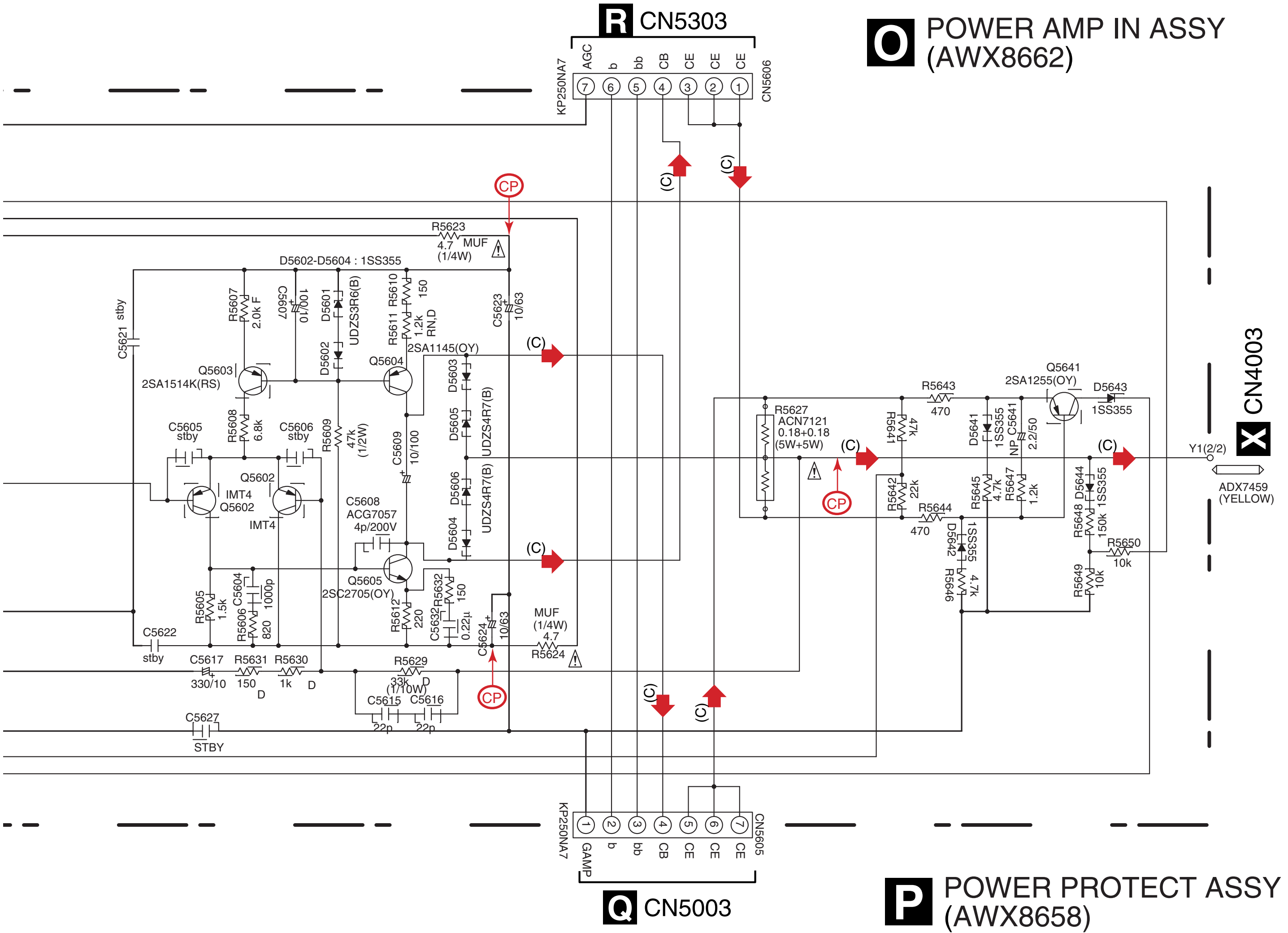
3.24 POWER AMP IN and POWER PROTECT ASSYS


R CN5301
CN5602
XKP3066
RS AGRS R AGR SBR AGSBR WT DC AMUTE SBMUTE VH- VH- VH+
U CN4202
5604
VH+ VH- NECK6 NECK8 A-12V
51048-0500
K 2/4 CN2601
CN5603
52044-1945
NECK8 NECK6 SBMUTE AMUTE A-12V C AGC SBR AGSBR R AGR RS AGRS LS AGLS L AGL SBL AGSBL
C
CP
CP
(C)
R5601 1k
C5601 4.7/50
R5602 220
Q5601 2SD2704K
R5604 10k
C5603
STBY
R5603 33k
C5602 220p
CH
CN5601
XKP3066
LS AGLS L AGL SBL AGSBL DC OL DET AMUTE SBMUTE VH- VH- VH+
L 1/8 CN103
Q CN5001
CN5703
52044-1945
GNDU V+5UM GNDU V+5.6U DC DET OL DET TEMP2 TEMP1 RYA RYHP RYCS RYB GNDST GNDST V+5.6ST RYAC WUP HPSW WATTS
TEMP2 TEMP1 RYA RYHP RYCS RYB RYAC WU HPSW
TEMP2 TEMP1
10k R5720
68k R5721
Q CN5002
CN5701 XKP3065
NC NC NC WT OL DET DC DET POSI_2 POSI_1 GNDU NC NC
R CN5302
CN5702 XKP3065
NC NC WT OL DET DC DET POSI_2 POSI_2 GNDU POSI_1 NC NC
1SS355 D5701
R5750 0
R5714 1k
R5701 3.3k
POSI_1 DET
R5702 3.3k
POSI_2 DET
R5706 non
Q5706 RT1P241M non (22k)
R5708 non
R5709 0
R5710 22k
OUTPUT LEVEL DET
IC5701 BA4560RF-TBB
Q5702 RT1P241M (22k)
R5704 0
R5705 non
OL DET
R5717 10k
R5715 47k
Q5704 2SC4081(QR)
R5716 4.7k
C5705 0.022
Q5701 (22k) RT1N241M
R5747 0
Q5705 (22k) RT1N241M
R5703 47k
C5701 0.1
Q5703 non (22k) RT1N241M
R5746 0
R5707 47k
C5702 0.1
O P

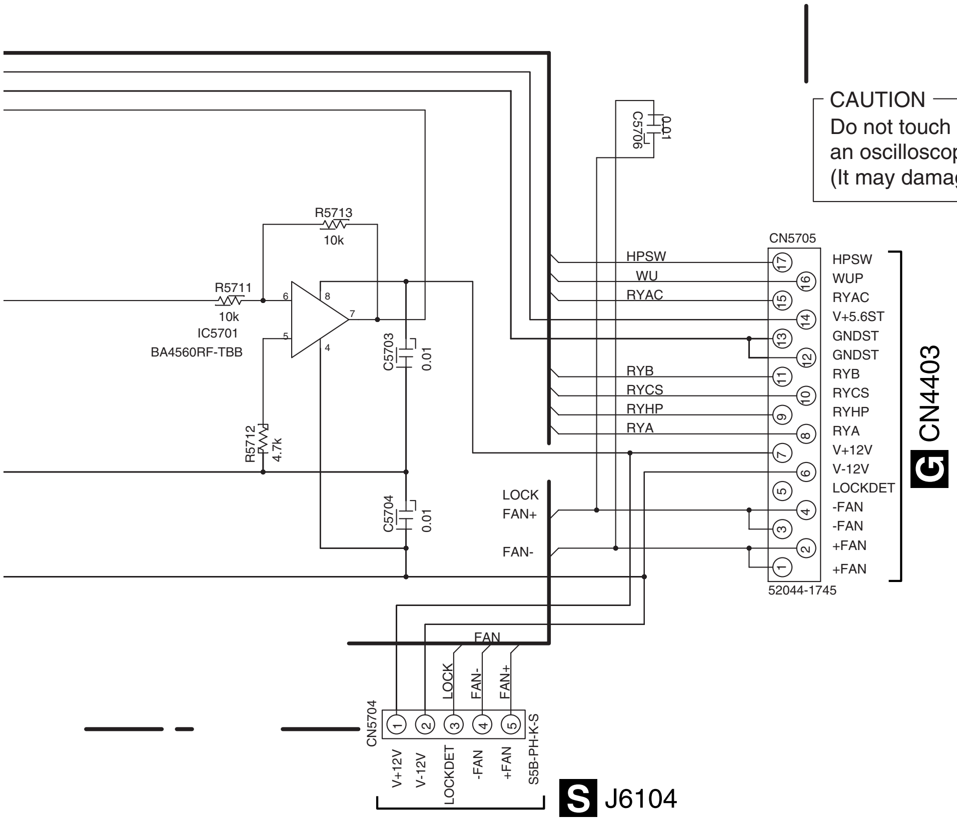
PROTECTION DETECT

	NORMAL	DETECT
LOCK DET	L	H
OL DET	H	L
DC DET	H	L
TEMP1,2	L	H

O POWER AMP IN ASSY (AWX8662)


R CN5303
KP250NA7
AGC
b
bb
CB
CE
CE
CE
CN5606
CP
(C)
R5623
4.7 MUF (1/4W)
D5602-D5604 : 1SS355
C5621 stby
R5607 2.0k F
C5607 100/10
D5601
UDZS3R6(B)
R5611 R5610 1.2k 150 RN,D
C5623 10/63
Q5603 2SA1514K(RS)
D5602
Q5604 2SA1145(OY)
D5603
C5605 stby
R5608 6.8k
C5606 stby
R5609 47k (1/2W)
C5609 10/100
D5605
UDZS4R7(B)
Q5602 IMT4
D5606
C5608 ACG7057 4p/200V
D5604
Q5605 2SC2705(OY)
R5605 1.5k
C5604 1000p
R5606 820
R5612 220
R5632 150
C5632 0.22µ
C5624 10/63
MUF (1/4W) 4.7 R5624
C5622 stby
C5617 330/10
R5631 150 D
R5630 1k D
R5629 33k (1/10W) D
C5615 22p
C5616 22p
C5627 STBY
R5627 ACN7121 0.18+0.18 (5W+5W)
R5643 470
R5641 47k
Q5641 2SA1255(OY)
D5643 1SS355
D5641 1SS355
C5641 NP 2.2/50
R5642 22k
R5644 470
R5645 4.7k
R5647 1.2k
D5642 1SS355
R5646 4.7k
R5648 150k
D5644 1SS355
R5650 10k
R5649 10k
Y1(2/2)
ADX7459 (YELLOW)
X CN4003
KP250NA7
GAMP
b
bb
CB
CE
CE
CE
CN5605
Q CN5003

P POWER PROTECT ASSY (AWX8658)


C5706 0.01
R5713 10k
R5711 10k
IC5701 BA4560RF-TBB
C5703 0.01
R5712 4.7k
C5704 0.01
CN5705
HPSW
WU
RYAC
RYB
RYCS
RYHP
RYA
LOCK
FAN+
FAN-
HPSW
WUP
RYAC
V+5.6ST
GNDST
GNDST
RYB
RYCS
RYHP
RYA
V+12V
V-12V
LOCKDET
-FAN
-FAN
+FAN
+FAN
52044-1745
G CN4403
FAN
LOCK
FAN-
FAN+
CN5704
V+12V
V-12V
LOCKDET
-FAN
+FAN
S5B-PH-K-S
S J6104

CAUTION
Do not touch any points on the PCB other than CP with an oscilloscope/tester while power is applied.
(It may damage the amplifier due to the oscillation generated.)

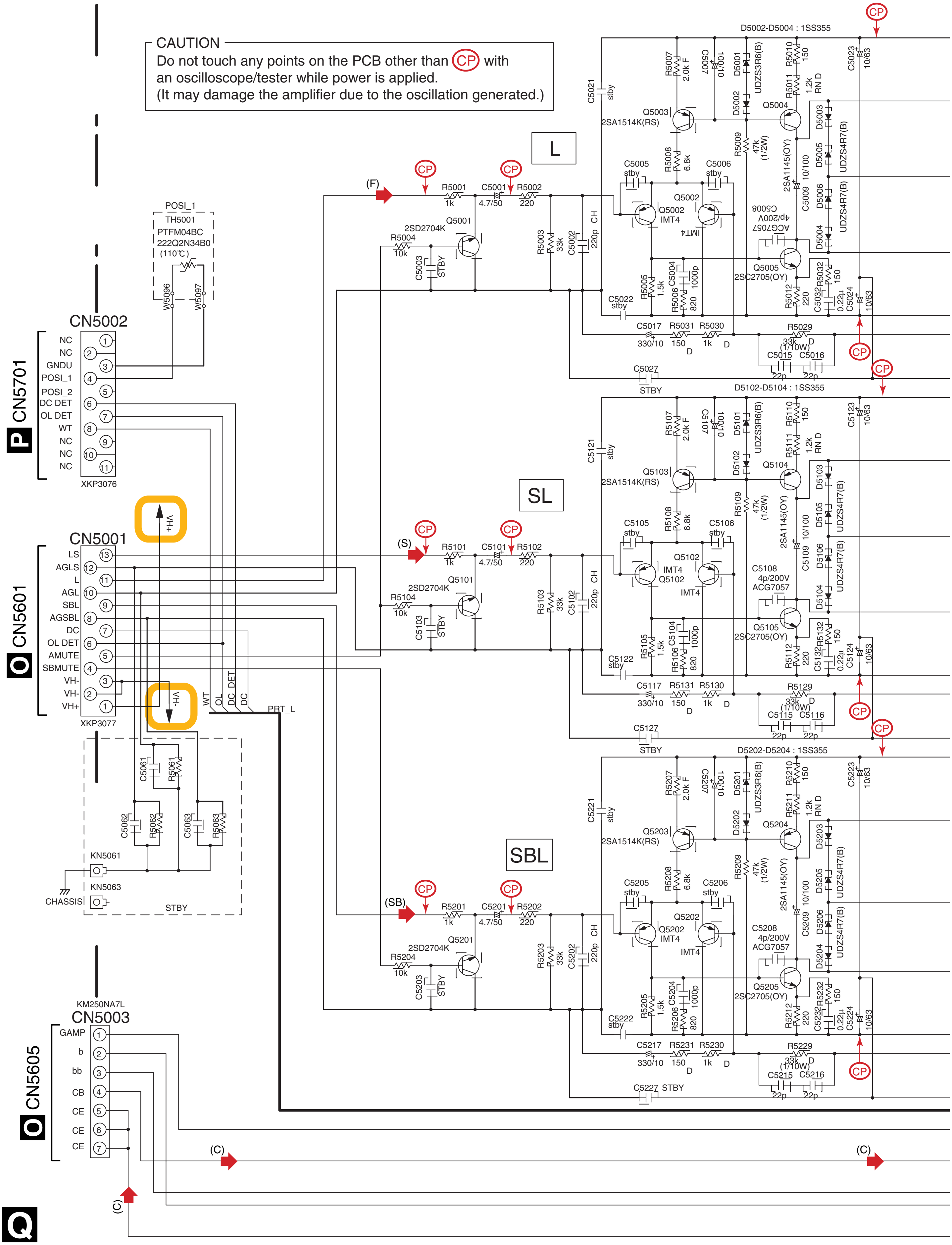
NOTE

1. RESISTORS
   - Unit: k-k , M-M or unless otherwise noted.
   - Rated power: 1/16W unless otherwise noted.
   - Tolerance: (J)±5% unless otherwise noted.
2. CAPACITORS
   - Unit: p-pF or µF unless otherwise noted.
   - Ratings: Capacity(µF)/Voltage(V) unless otherwise noted.
   - Rated Voltage: 50V expect for electrolytic capacitors.

(C) ➡ : AUDIO SIGNAL ROUTE(C)

O P

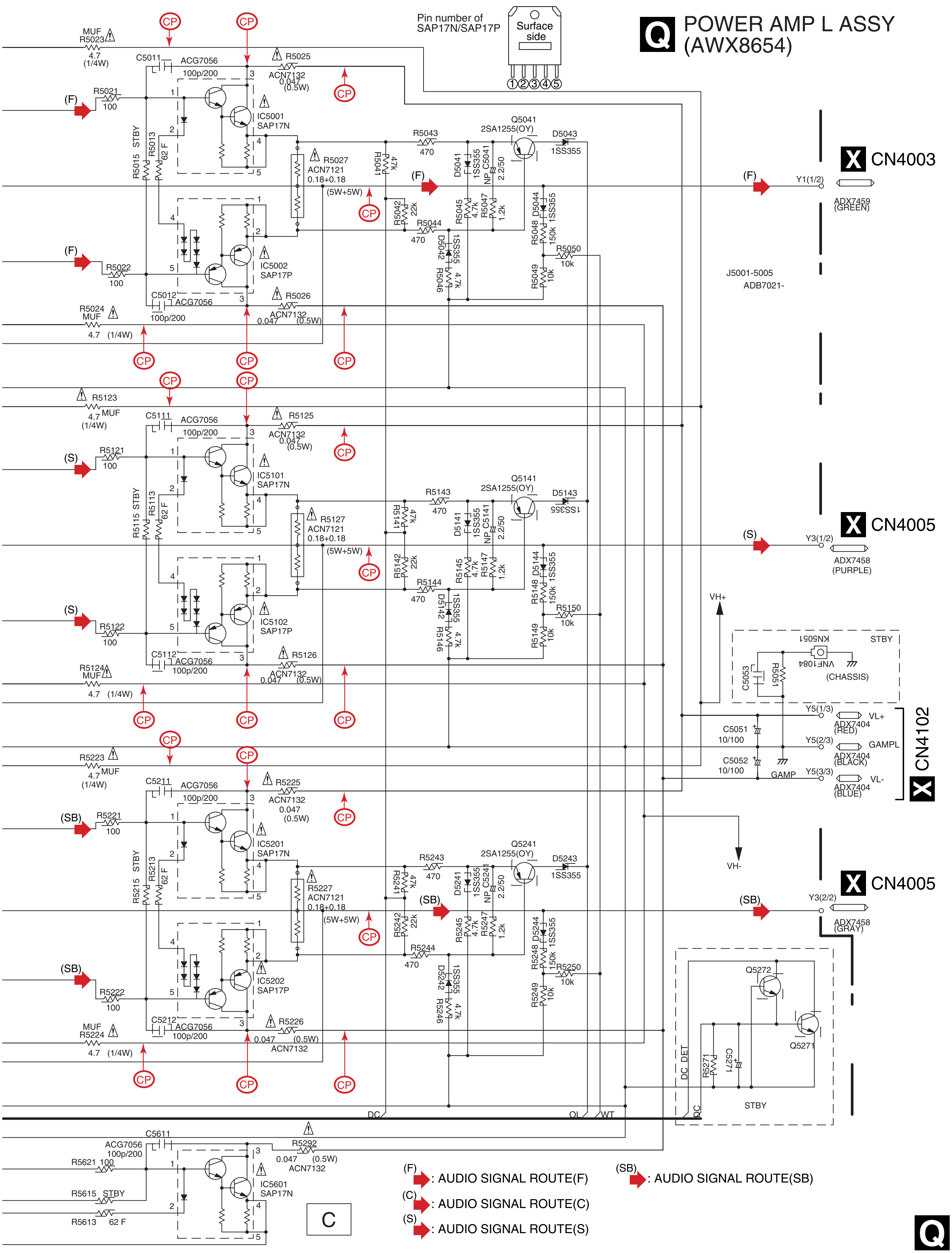
3.25 POWER AMP L ASSY



CAUTION
Do not touch any points on the PCB other than CP with an oscilloscope/tester while power is applied.
(It may damage the amplifier due to the oscillation generated.)

1
2
3
4
A
B
C
D
E
F
L
SL
SBL
CP
D5002-D5004 : 1SS355
D5102-D5104 : 1SS355
D5202-D5204 : 1SS355
(F)
(S)
(SB)
(C)
R5001 1k
C5001 4.7/50
R5002 220
Q5001 2SD2704K
R5004 10k
C5003 STBY
R5003 33k
C5002 220p CH
C5021 stby
C5022 stby
R5007 2.0k F
C5007 100/10
D5001 UDZS3R6(B)
R5010 150
R5011 1.2k RN D
C5023 10/63
Q5003 2SA1514K(RS)
Q5004 2SA1145(OY)
D5002
D5003
D5005
D5006
D5004
UDZS4R7(B)
R5008 6.8k
R5009 47k (1/2W)
C5005 stby
C5006 stby
Q5002 IMT4
C5009 10/100
C5008 4p/200V ACG7057
Q5005 2SC2705(OY)
R5005 1.5k
C5004 1000p
R5006 820
R5012 220
R5032 150
C5032 0.22µ
C5024 10/63
C5017 330/10
R5031 150
R5030 1k
R5029 33k (1/10W)
C5015 22p
C5016 22p
C5027 STBY
D
POSI_1
TH5001
PTFM04BC
222Q2N34B0
(110℃)
W5096
W5097
CN5002
NC
GNDU
POSI_2
DC DET
OL DET
WT
XKP3076
P CN5701
CN5001
LS
AGLS
AGL
SBL
AGSBL
DC
OL DET
AMUTE
SBMUTE
VH-
VH+
XKP3077
O CN5601
WT
OL
DC DET
DC
PRT_L
C5061
R5061
C5062
R5062
C5063
R5063
KN5061
KN5063
CHASSIS
STBY
KM250NA7L
CN5003
GAMP
b
bb
CB
CE
O CN5605
Q

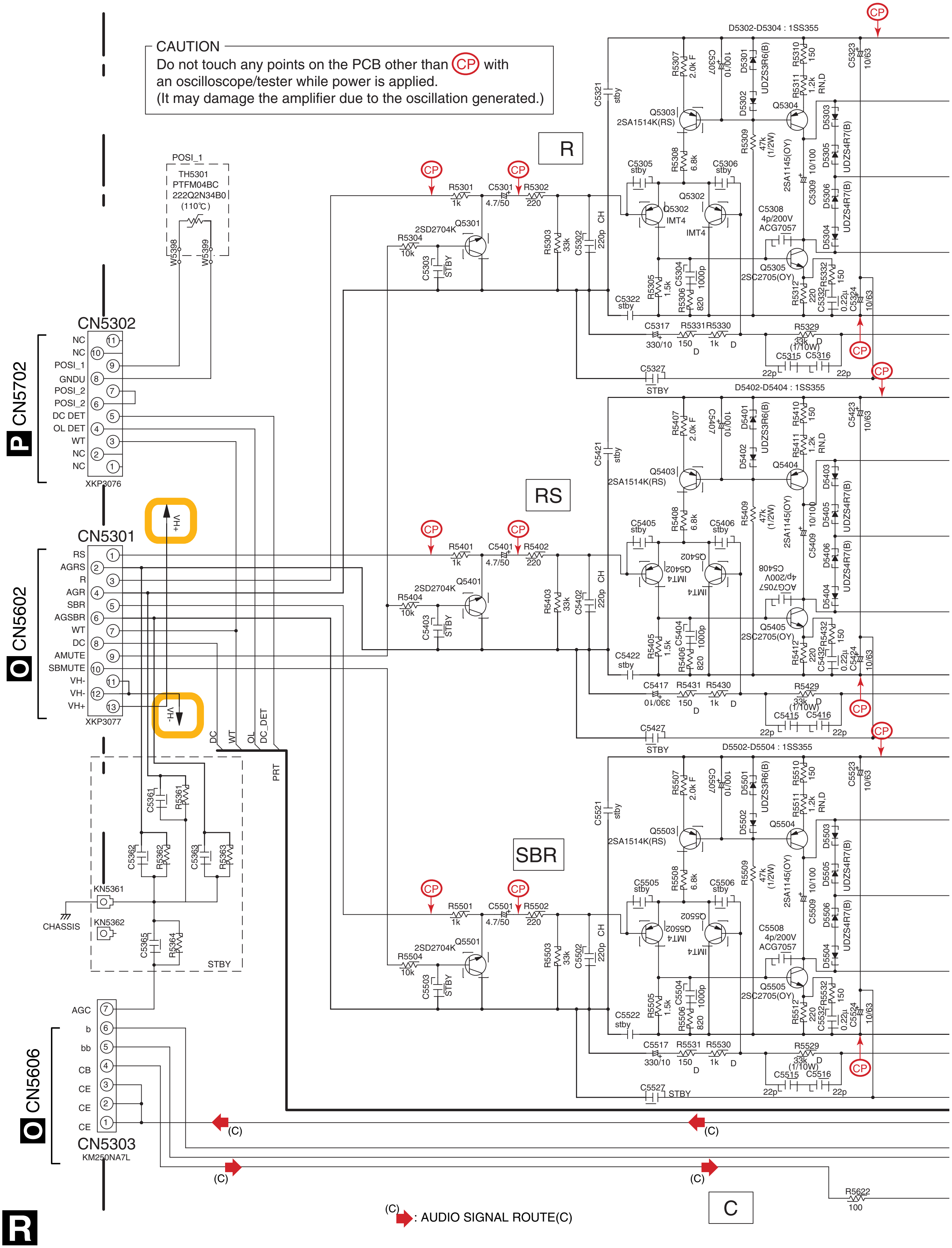
Q POWER AMP L ASSY (AWX8654)


Pin number of SAP17N/SAP17P
Surface side
①②③④⑤
A
B
C
D
E
F
CP
MUF R5023
4.7 (1/4W)
C5011 ACG7056 100p/200
R5025 ACN7132 0.047 (0.5W)
(F) R5021 100
IC5001 SAP17N
R5015 STBY
R5013 62 F
R5027 ACN7121 0.18+0.18 (5W+5W)
R5041 47k
R5043 470
Q5041 2SA1255(OY)
D5043 1SS355
D5041 1SS355
C5041 NP 2.2/50
R5042 22k
R5044 470
R5045 4.7k
R5047 1.2k
R5048 150k
D5044 1SS355
R5050 10k
R5049 10k
D5042 1SS355
R5046 4.7k
IC5002 SAP17P
R5022 100
C5012 ACG7056 100p/200
R5026 ACN7132 0.047 (0.5W)
R5024 MUF 4.7 (1/4W)
X CN4003
(F) Y1(1/2)
ADX7459 (GREEN)
J5001-5005
ADB7021-
R5123 4.7 MUF (1/4W)
C5111 ACG7056 100p/200
R5125 ACN7132 0.047 (0.5W)
(S) R5121 100
IC5101 SAP17N
R5115 STBY
R5113 62 F
R5127 ACN7121 0.18+0.18 (5W+5W)
R5141 47k
R5143 470
Q5141 2SA1255(OY)
D5143 1SS355
D5141 1SS355
C5141 NP 2.2/50
R5142 22k
R5144 470
R5145 4.7k
R5147 1.2k
R5148 150k
D5144 1SS355
R5150 10k
R5149 10k
D5142 1SS355
R5146 4.7k
IC5102 SAP17P
R5122 100
C5112 ACG7056 100p/200
R5126 ACN7132 0.047 (0.5W)
R5124 MUF 4.7 (1/4W)
X CN4005
(S) Y3(1/2)
ADX7458 (PURPLE)
VH+
STBY
KN5051
VNF1084
(CHASSIS)
C5053
R5051
Y5(1/3) VL+ ADX7404 (RED)
C5051 10/100
Y5(2/3) GAMPL ADX7404 (BLACK)
C5052 10/100
GAMP
Y5(3/3) VL- ADX7404 (BLUE)
X CN4102
VH-
R5223 MUF 4.7 (1/4W)
C5211 ACG7056 100p/200
R5225 ACN7132 0.047 (0.5W)
(SB) R5221 100
IC5201 SAP17N
R5215 STBY
R5213 62 F
R5227 ACN7121 0.18+0.18 (5W+5W)
R5241 47k
R5243 470
Q5241 2SA1255(OY)
D5243 1SS355
D5241 1SS355
C5241 NP 2.2/50
R5242 22k
R5244 470
R5245 4.7k
R5247 1.2k
R5248 150k
D5244 1SS355
R5250 10k
R5249 10k
D5242 1SS355
R5246 4.7k
IC5202 SAP17P
(SB) R5222 100
C5212 ACG7056 100p/200
R5226 0.047 (0.5W) ACN7132
MUF R5224 4.7 (1/4W)
X CN4005
(SB) Y3(2/2)
ADX7458 (GRAY)
Q5272
Q5271
DC_DET
R5271
C5271
STBY
DC
OL
WT
C5611 ACG7056 100p/200
R5292 0.047 (0.5W) ACN7132
R5621 100
IC5601 SAP17N
R5615 STBY
R5613 62 F
C

(F): AUDIO SIGNAL ROUTE(F)
(C): AUDIO SIGNAL ROUTE(C)
(S): AUDIO SIGNAL ROUTE(S)
(SB): AUDIO SIGNAL ROUTE(SB)

3.26 POWER AMP R ASSY

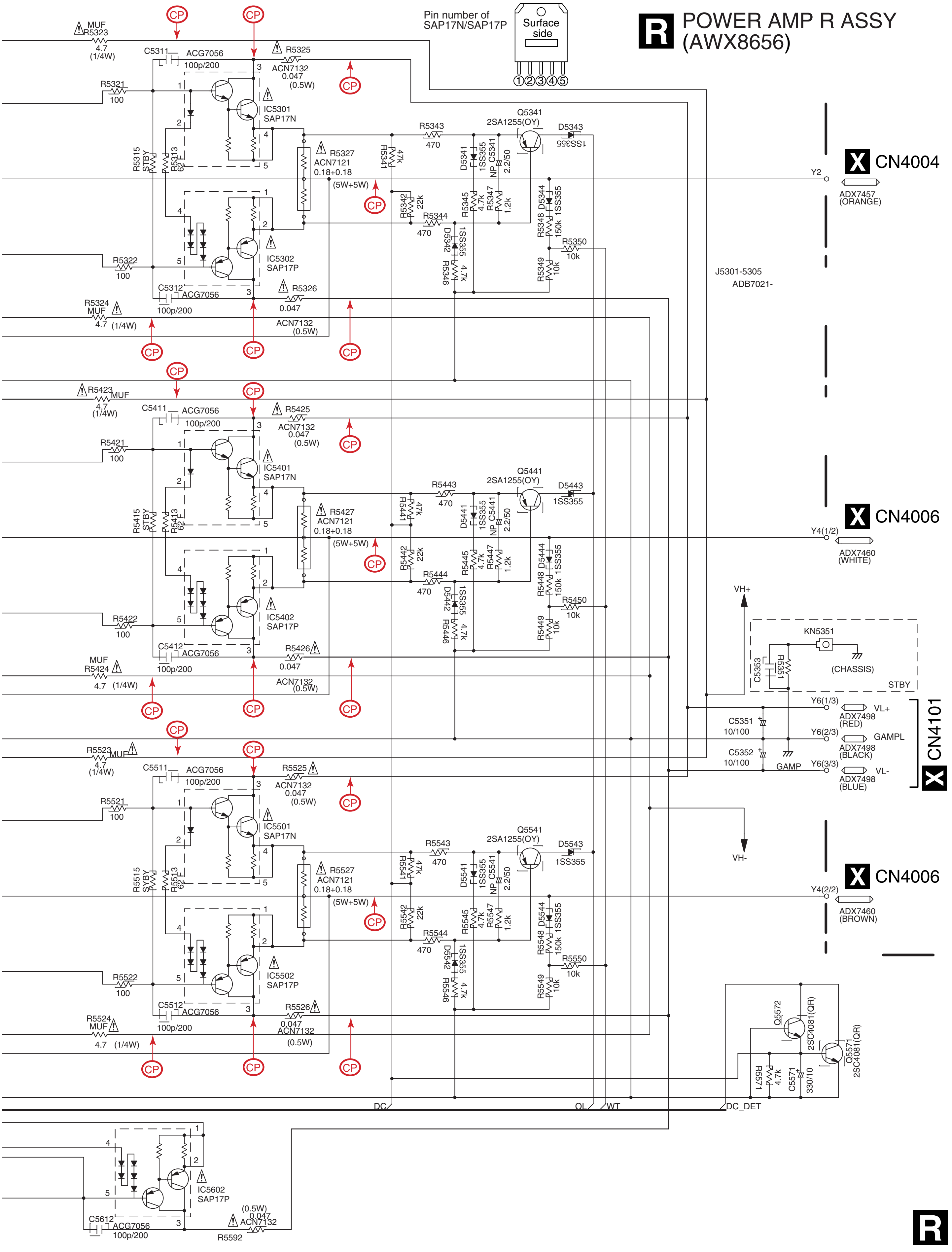
CAUTION
Do not touch any points on the PCB other than (CP) with an oscilloscope/tester while power is applied.
(It may damage the amplifier due to the oscillation generated.)



R
RS
SBR
C
CP
D5302-D5304 : 1SS355
D5402-D5404 : 1SS355
D5502-D5504 : 1SS355
POSI_1
TH5301
PTFM04BC
222Q2N34B0
(110℃)
W5398
W5399
CN5302
XKP3076
P CN5702
NC
NC
POSI_1
GNDU
POSI_2
POSI_2
DC DET
OL DET
WT
NC
NC
CN5301
XKP3077
O CN5602
RS
AGRS
R
AGR
SBR
AGSBR
WT
DC
AMUTE
SBMUTE
VH-
VH-
VH+
VH+
VH-
DC
WT
OL
DC_DET
PRT
C5361
R5361
C5362
R5362
C5363
R5363
KN5361
KN5362
CHASSIS
C5365
R5364
STBY
CN5303
KM250NA7L
O CN5606
AGC
b
bb
CB
CE
CE
CE
(C)
R5622
100
R5301 1k
C5301 4.7/50
R5302 220
Q5301 2SD2704K
R5304 10k
C5303 STBY
R5303 33k
C5302 220p
CH
C5321 stby
Q5303 2SA1514K(RS)
R5307 2.0k F
C5307 100/10
D5301
D5302
UDZS3R6(B)
R5310 150
R5311 1.2k RN,D
Q5304
C5323 10/63
C5305 stby
R5308 6.8k
C5306 stby
Q5302 IMT4
R5309 47k (1/2W)
2SA1145(OY)
C5309 10/100
D5303
D5305
D5306
D5304
UDZS4R7(B)
C5308 4p/200V ACG7057
Q5305 2SC2705(OY)
R5305 1.5k
C5304
R5306 820
1000p
R5312 220
C5332
R5332 150
0.22µ
C5324 10/63
C5322 stby
C5317 330/10
R5331 150
R5330 1k
D
R5329 33k (1/10W)
C5315 22p
C5316 22p
C5327 STBY
R5401 1k
C5401 4.7/50
R5402 220
Q5401 2SD2704K
R5404 10k
C5403 STBY
R5403 33k
C5402 220p
C5421 stby
Q5403 2SA1514K(RS)
R5407 2.0k F
C5407 100/10
D5401
D5402
UDZS3R6(B)
R5410 150
R5411 1.2k RN,D
Q5404
C5423 10/63
C5405 stby
R5408 6.8k
C5406 stby
Q5402 IMT4
R5409 47k (1/2W)
2SA1145(OY)
C5409 10/100
D5403
D5405
D5406
D5404
UDZS4R7(B)
C5408 4p/200V ACG7057
Q5405 2SC2705(OY)
R5405 1.5k
C5404
R5406 820
1000p
R5412 220
C5432
R5432 150
0.22µ
C5424 10/63
C5422 stby
C5417 330/10
R5431 150
R5430 1k
R5429 33k (1/10W)
C5415 22p
C5416 22p
C5427 STBY
R5501 1k
C5501 4.7/50
R5502 220
Q5501 2SD2704K
R5504 10k
C5503 STBY
R5503 33k
C5502 220p
C5521 stby
Q5503 2SA1514K(RS)
R5507 2.0k F
C5507 100/10
D5501
D5502
UDZS3R6(B)
R5510 150
R5511 1.2k RN,D
Q5504
C5523 10/63
C5505 stby
R5508 6.8k
C5506 stby
Q5502 IMT4
R5509 47k (1/2W)
2SA1145(OY)
C5509 10/100
D5503
D5505
D5506
D5504
UDZS4R7(B)
C5508 4p/200V ACG7057
Q5505 2SC2705(OY)
R5505 1.5k
C5504
R5506 820
1000p
R5512 220
C5532
R5532 150
0.22µ
C5524 10/63
C5522 stby
C5517 330/10
R5531 150
R5530 1k
R5529 33k (1/10W)
C5515 22p
C5516 22p
C5527 STBY

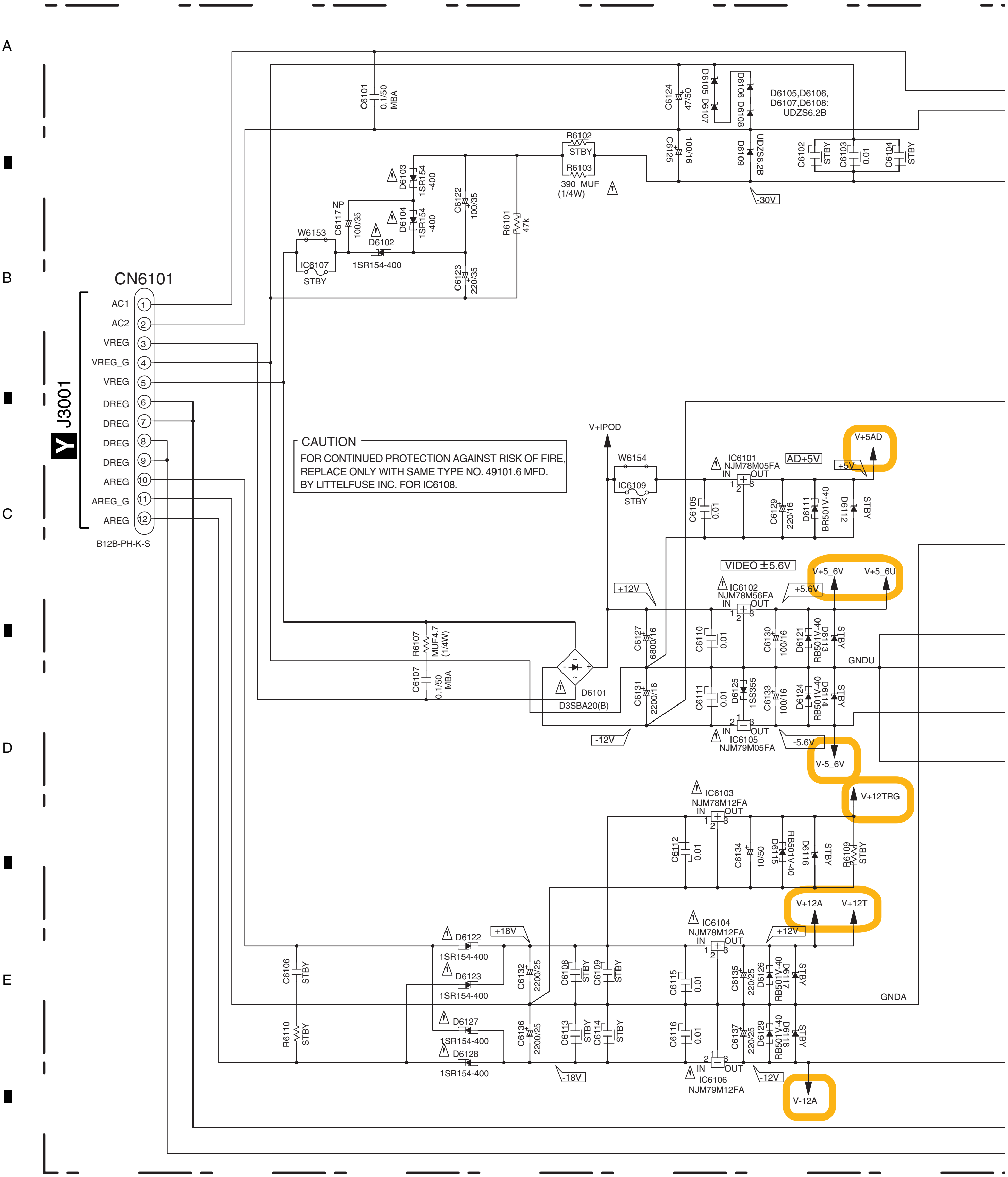
(C) : AUDIO SIGNAL ROUTE(C)

R POWER AMP R ASSY (AWX8656)


Pin number of SAP17N/SAP17P
Surface side
①②③④⑤
CP
MUF
R5323
4.7
(1/4W)
C5311
ACG7056
100p/200
R5325
ACN7132
0.047
(0.5W)
R5321
100
IC5301
SAP17N
R5343
470
Q5341
2SA1255(OY)
D5343
1SS355
R5315
STBY
R5313
62 F
R5341
47k
D5341
1SS355
C5341
NP
2.2/50
R5327
ACN7121
0.18+0.18
(5W+5W)
Y2
CN4004
ADX7457
(ORANGE)
R5342
22k
R5344
470
R5345
4.7k
R5347
1.2k
D5344
1SS355
R5348
150k
R5350
10k
D5342
1SS355
R5346
4.7k
R5349
10k
R5322
100
IC5302
SAP17P
C5312
ACG7056
100p/200
R5326
0.047
ACN7132
(0.5W)
R5324
MUF
4.7 (1/4W)
J5301-5305
ADB7021-
R5423
MUF
4.7
(1/4W)
C5411
ACG7056
100p/200
R5425
ACN7132
0.047
(0.5W)
R5421
100
IC5401
SAP17N
R5443
470
Q5441
2SA1255(OY)
D5443
1SS355
R5415
STBY
R5413
62 F
R5441
47k
D5441
1SS355
C5441
NP
2.2/50
R5427
ACN7121
0.18+0.18
(5W+5W)
Y4(1/2)
CN4006
ADX7460
(WHITE)
R5442
22k
R5444
470
R5445
4.7k
R5447
1.2k
D5444
1SS355
R5448
150k
R5450
10k
D5442
1SS355
R5446
4.7k
R5449
10k
VH+
R5422
100
IC5402
SAP17P
C5412
ACG7056
100p/200
R5426
0.047
ACN7132
(0.5W)
MUF
R5424
4.7 (1/4W)
KN5351
C5353
R5351
(CHASSIS)
STBY
Y6(1/3)
VL+
ADX7498
(RED)
C5351
10/100
Y6(2/3)
GAMPL
ADX7498
(BLACK)
C5352
10/100
GAMP
Y6(3/3)
VL-
ADX7498
(BLUE)
CN4101
X
R5523
MUF
4.7
(1/4W)
C5511
ACG7056
100p/200
R5525
ACN7132
0.047
(0.5W)
R5521
100
IC5501
SAP17N
R5543
470
Q5541
2SA1255(OY)
D5543
1SS355
VH-
R5515
SYBY
R5513
62 F
R5541
47k
D5541
1SS355
C5541
NP
2.2/50
R5527
ACN7121
0.18+0.18
(5W+5W)
Y4(2/2)
CN4006
ADX7460
(BROWN)
R5542
22k
R5544
470
R5545
4.7k
R5547
1.2k
D5544
1SS355
R5548
150k
R5550
10k
D5542
1SS355
R5546
4.7k
R5549
10k
R5522
100
IC5502
SAP17P
C5512
ACG7056
100p/200
R5526
0.047
ACN7132
(0.5W)
R5524
MUF
4.7 (1/4W)
Q5572
2SC4081(QR)
Q5571
2SC4081(QR)
R5571
4.7k
C5571
330/10
DC
OL
WT
DC_DET
IC5602
SAP17P
C5612
ACG7056
100p/200
(0.5W)
0.047
ACN7132
R5592
1
2
3
4
5
A
B
C
D
E
F

R

3.27 LOCAL SUPPLY and DC/DC ASSYS


A
B
C
D
E
Y J3001
CN6101
AC1 1
AC2 2
VREG 3
VREG_G 4
VREG 5
DREG 6
DREG 7
DREG 8
DREG 9
AREG 10
AREG_G 11
AREG 12
B12B-PH-K-S
C6101 0.1/50 MBA
C6124 47/50
D6105 D6107
D6106 D6108
D6105,D6106, D6107,D6108: UDZS6.2B
C6125 100/16
D6109 UDZS6.2B
-30V
C6102 STBY
C6103 0.01
C6104 STBY
R6102 STBY
R6103 390 MUF (1/4W)
D6103 1SR154 -400
D6104 1SR154 -400
D6102 1SR154-400
NP C6117 100/35
W6153
IC6107 STBY
C6122 100/35
C6123 220/35
R6101 47k
V+IPOD
W6154
IC6109 STBY
IC6101 NJM78M05FA
AD+5V
IN OUT
1 2 3
+5V
V+5AD
C6105 0.01
C6129 220/16
D6111 RB501V-40
D6112 STBY
VIDEO ±5.6V
+12V
IC6102 NJM78M56FA
+5.6V
V+5_6V
V+5_6U
C6127 6800/16
C6110 0.01
C6130 100/16
D6121 RB501V-40
D6113 STBY
GNDU
R6107 MUF4.7 (1/4W)
C6107 0.1/50 MBA
D6101 D3SBA20(B)
C6131 2200/16
C6111 0.01
D6125 1SS355
C6133 100/16
D6124 RB501V-40
D6114 STBY
-12V
IC6105 NJM79M05FA
-5.6V
V-5_6V
IC6103 NJM78M12FA
V+12TRG
C6112 0.01
C6134 10/50
D6115 RB501V-40
D6116 STBY
R6109 STBY
V+12A
V+12T
IC6104 NJM78M12FA
+12V
D6122 1SR154-400
+18V
D6123 1SR154-400
C6106 STBY
C6132 2200/25
C6108 STBY
C6109 STBY
C6115 0.01
C6135 220/25
D6126 RB501V-40
D6117 STBY
GNDA
R6110 STBY
D6127 1SR154-400
D6128 1SR154-400
C6136 2200/25
C6113 STBY
C6114 STBY
C6116 0.01
C6137 220/25
D6129 RB501V-40
D6118 STBY
-18V
IC6106 NJM79M12FA
-12V
V-12A
F

CAUTION

FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH SAME TYPE NO. 49101.6 MFD. BY LITTELFUSE INC. FOR IC6108.

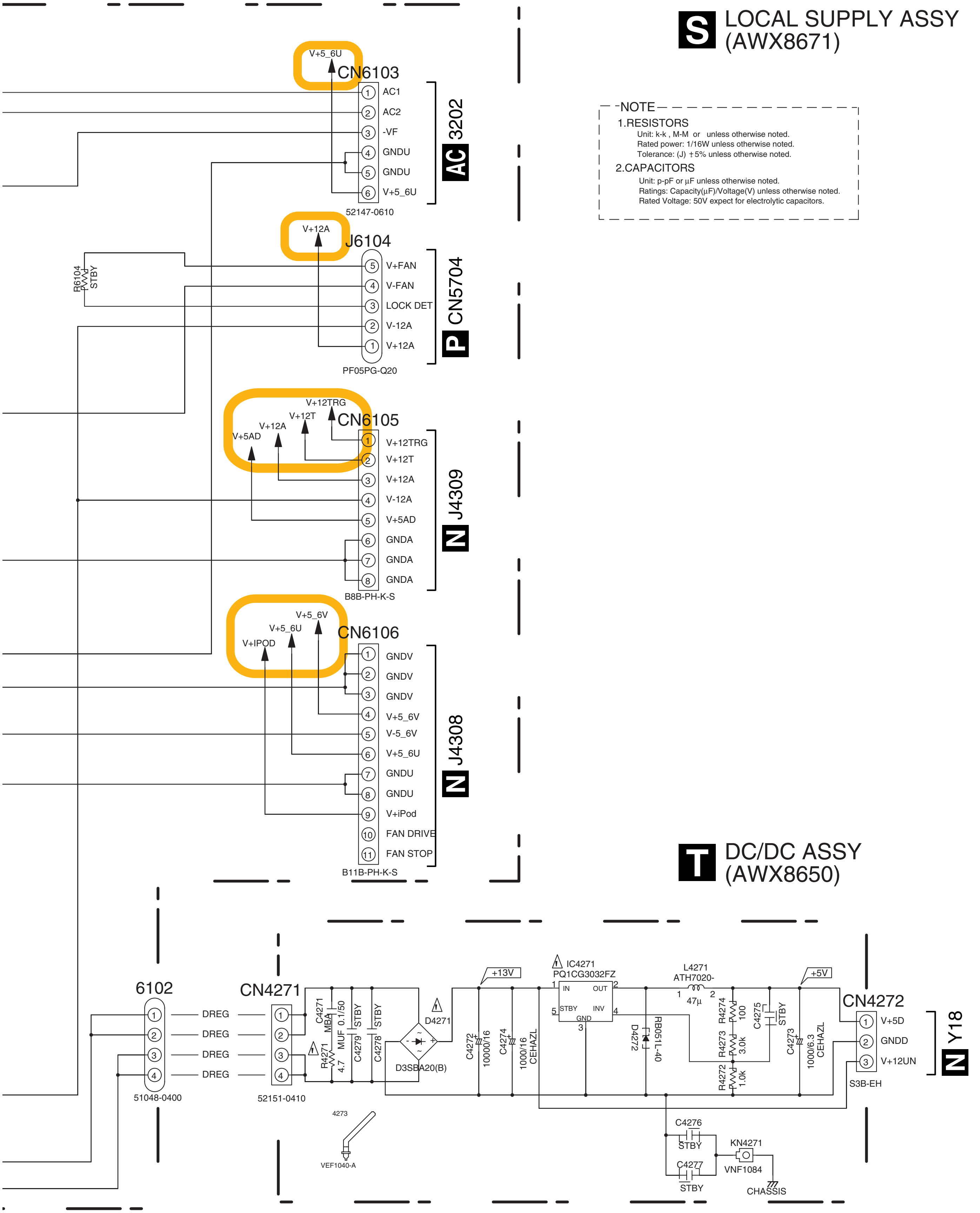
S

The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

S LOCAL SUPPLY ASSY (AWX8671)

NOTE
1.RESISTORS
Unit: k-k , M-M or unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: (J) ±5% unless otherwise noted.
2.CAPACITORS
Unit: p-pF or µF unless otherwise noted.
Ratings: Capacity(µF)/Voltage(V) unless otherwise noted.
Rated Voltage: 50V expect for electrolytic capacitors.

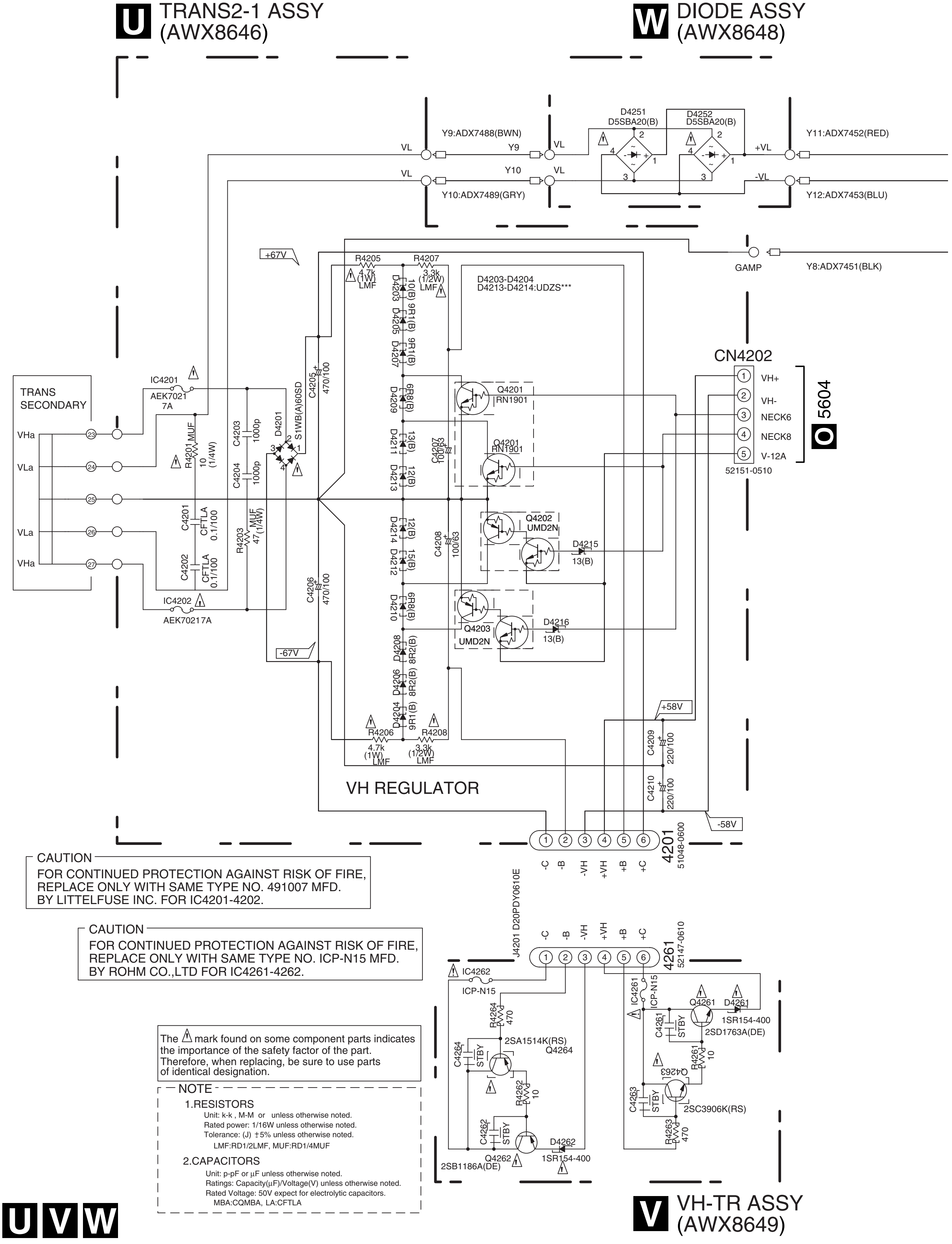
T DC/DC ASSY (AWX8650)



V+5_6U
CN6103
1 AC1
2 AC2
3 -VF
4 GNDU
5 GNDU
6 V+5_6U
52147-0610
AC 3202
V+12A
J6104
5 V+FAN
4 V-FAN
3 LOCK DET
2 V-12A
1 V+12A
PF05PG-Q20
P CN5704
R6104
STBY
V+12TRG
V+12T
V+12A
V+5AD
CN6105
1 V+12TRG
2 V+12T
3 V+12A
4 V-12A
5 V+5AD
6 GNDA
7 GNDA
8 GNDA
B8B-PH-K-S
N J4309
V+5_6V
V+5_6U
V+IPOD
CN6106
1 GNDV
2 GNDV
3 GNDV
4 V+5_6V
5 V-5_6V
6 V+5_6U
7 GNDU
8 GNDU
9 V+iPod
10 FAN DRIVE
11 FAN STOP
B11B-PH-K-S
N J4308
6102
1 DREG
2 DREG
3 DREG
4 DREG
51048-0400
CN4271
52151-0410
C4271 MBA 0.1/50
R4271 4.7 MUF
C4279 STBY
C4278 STBY
D4271
D3SBA20(B)
+13V
C4272 10000/16
C4274 1000/16 CEHAZL
IC4271
PQ1CG3032FZ
1 IN
2 OUT
5 STBY
4 INV
GND 3
D4272
RB051L-40
L4271
ATH7020-
1 2
47µ
R4274 100
R4273 3.0k
R4272 1.0k
C4275 STBY
+5V
C4273 1000/6.3 CEHAZL
CN4272
1 V+5D
2 GNDD
3 V+12UN
S3B-EH
N Y18
4273
VEF1040-A
C4276 STBY
C4277 STBY
KN4271
VNF1084
CHASSIS
A
B
C
D
E
F

S T

3.28 TRANS2-1, VH-TR, DIODE and SP/PS ASSYS


U
TRANS2-1 ASSY
(AWX8646)
W
DIODE ASSY
(AWX8648)
V
VH-TR ASSY
(AWX8649)
U V W
TRANS
SECONDARY
VHa
VLa
VLa
VHa
23
24
25
26
27
IC4201
AEK7021
7A
IC4202
AEK70217A
R4201
10
(1/4W)
MUF
R4203
47 (1/4W)
MUF
C4201
CFTLA
0.1/100
C4202
CFTLA
0.1/100
C4203
1000p
C4204
1000p
D4201
S1WB(A)60SD
C4205
470/100
C4206
470/100
+67V
-67V
R4205
4.7k
(1W)
LMF
R4207
3.3k
(1/2W)
LMF
R4206
4.7k
(1W)
LMF
R4208
3.3k
(1/2W)
LMF
D4203 10(B)
D4205 9R1(B)
D4207 9R1(B)
D4209 6R8(B)
D4211 13(B)
D4213 12(B)
D4214 12(B)
D4212 15(B)
D4210 6R8(B)
D4208 8R2(B)
D4206 8R2(B)
D4204 9R1(B)
D4203-D4204
D4213-D4214:UDZS***
C4207
100/63
C4208
100/63
Q4201
RN1901
Q4201
RN1901
Q4202
UMD2N
Q4203
UMD2N
D4215
13(B)
D4216
13(B)
VH REGULATOR
+58V
-58V
C4209
220/100
C4210
220/100
VL
VL
Y9:ADX7488(BWN)
Y9
Y10
Y10:ADX7489(GRY)
VL
VL
D4251
D5SBA20(B)
D4252
D5SBA20(B)
1
2
3
4
+VL
-VL
Y11:ADX7452(RED)
Y12:ADX7453(BLU)
GAMP
Y8:ADX7451(BLK)
CN4202
1 VH+
2 VH-
3 NECK6
4 NECK8
5 V-12A
52151-0510
O 5604
1 2 3 4 5 6
-C -B -VH +VH +B +C
4201
51048-0600
J4201 D20PDY0610E
-C -B -VH +VH +B +C
1 2 3 4 5 6
4261
52147-0610
IC4262
ICP-N15
R4264
470
2SA1514K(RS)
Q4264
C4264
STBY
R4262
10
C4262
STBY
Q4262
2SB1186A(DE)
D4262
1SR154-400
IC4261
ICP-N15
Q4261
D4261
1SR154-400
2SD1763A(DE)
C4261
STBY
R4261
10
Q4263
C4263
STBY
2SC3906K(RS)
R4263
470

CAUTION
FOR CONTINUED PROTECTION AGAINST RISK OF FIRE,
REPLACE ONLY WITH SAME TYPE NO. 491007 MFD.
BY LITTELFUSE INC. FOR IC4201-4202.

CAUTION
FOR CONTINUED PROTECTION AGAINST RISK OF FIRE,
REPLACE ONLY WITH SAME TYPE NO. ICP-N15 MFD.
BY ROHM CO.,LTD FOR IC4261-4262.

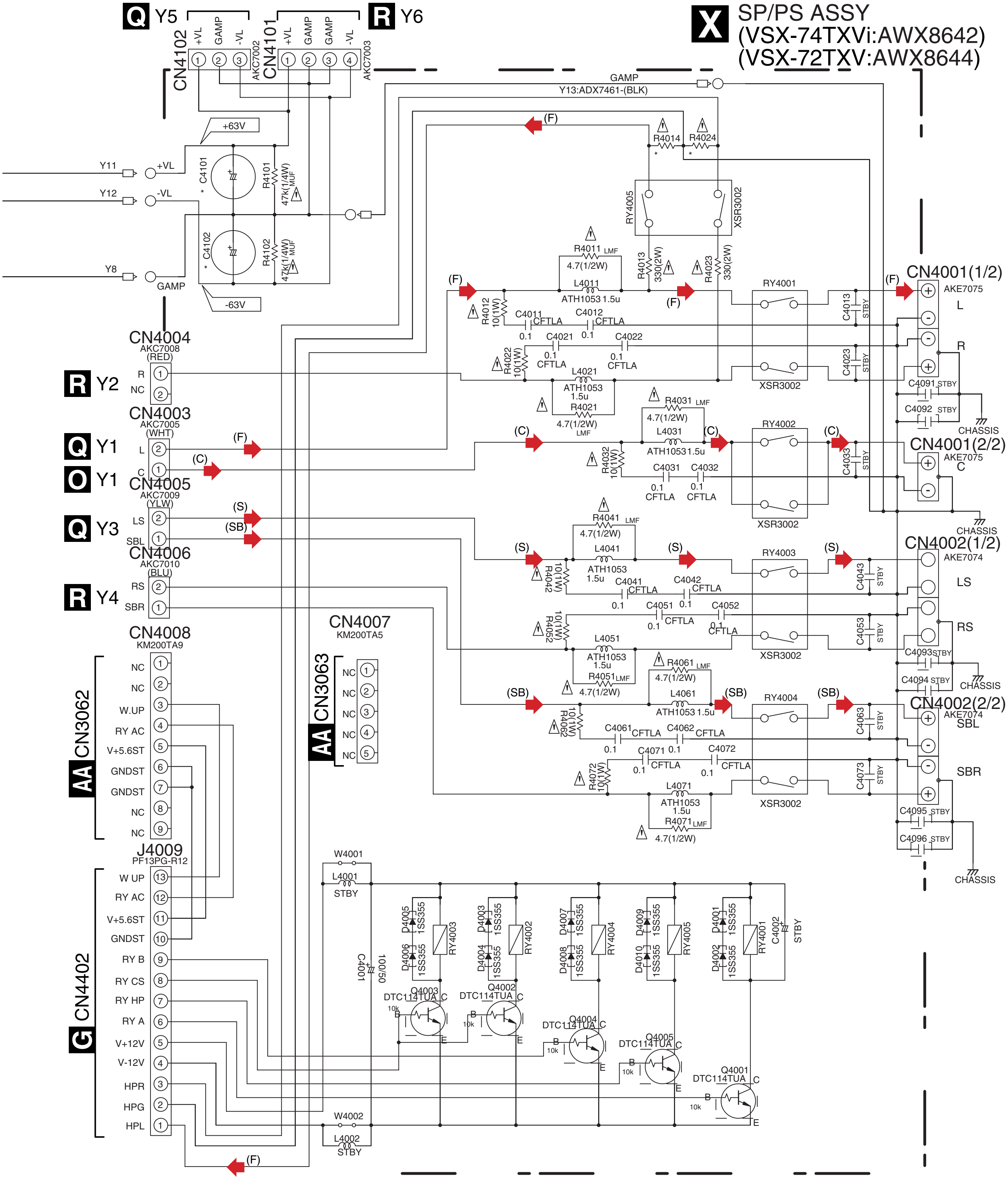
The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

NOTE

1.RESISTORS
Unit: k-k , M-M or unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: (J) ±5% unless otherwise noted.
LMF:RD1/2LMF, MUF:RD1/4MUF

2.CAPACITORS
Unit: p-pF or µF unless otherwise noted.
Ratings: Capacity(µF)/Voltage(V) unless otherwise noted.
Rated Voltage: 50V expect for electrolytic capacitors.
MBA:CQMBA, LA:CFTLA

X SP/PS ASSY
(VSX-74TXVi:AWX8642)
(VSX-72TXV:AWX8644)


Q Y5
CN4102
+VL
GAMP
-VL
AKC7002
CN4101
+VL
GAMP
GAMP
-VL
AKC7003
R Y6
GAMP
Y13:ADX7461-(BLK)
(F)
R4014
R4024
+63V
Y11
+VL
Y12
-VL
C4101
R4101
47k(1/4W)
MUF
C4102
R4102
47k(1/4W)
MUF
Y8
GAMP
-63V
RY4005
XSR3002
R4011 LMF
4.7(1/2W)
L4011
ATH1053 1.5u
R4013
330(2W)
R4023
330(2W)
RY4001
CN4001(1/2)
AKE7075
L
R
R4012
10(1W)
C4011
CFTLA
0.1
C4012
CFTLA
0.1
C4021
CFTLA
0.1
C4022
CFTLA
0.1
R4022
10(1W)
L4021
ATH1053
1.5u
R4021
4.7(1/2W)
LMF
C4013
STBY
C4023
STBY
XSR3002
C4091 STBY
C4092 STBY
CHASSIS
CN4004
AKC7008
(RED)
R Y2
R
NC
CN4003
AKC7005
(WHT)
Q Y1
L
C
O Y1
(C)
CN4005
AKC7009
(YLW)
Q Y3
LS
SBL
(S)
(SB)
CN4006
AKC7010
(BLU)
R Y4
RS
SBR
R4031 LMF
4.7(1/2W)
L4031
ATH1053 1.5u
RY4002
R4032
10(1W)
C4031
CFTLA
0.1
C4032
CFTLA
0.1
C4033
STBY
CN4001(2/2)
AKE7075
C
R4041 LMF
4.7(1/2W)
L4041
ATH1053
1.5u
R4042
10(1W)
C4041
CFTLA
0.1
C4042
CFTLA
0.1
RY4003
C4043
STBY
CN4002(1/2)
AKE7074
LS
RS
C4051
CFTLA
0.1
C4052
CFTLA
0.1
R4052
10(1W)
L4051
ATH1053
1.5u
R4051 LMF
4.7(1/2W)
C4053
STBY
C4093 STBY
C4094 STBY
R4061 LMF
4.7(1/2W)
L4061
ATH1053 1.5u
R4062
10(1W)
RY4004
C4061
CFTLA
0.1
C4062
CFTLA
0.1
C4071
CFTLA
0.1
C4072
CFTLA
0.1
R4072
10(1W)
L4071
ATH1053
1.5u
R4071 LMF
4.7(1/2W)
C4063
STBY
C4073
STBY
CN4002(2/2)
AKE7074
SBL
SBR
C4095 STBY
C4096 STBY
CN4007
KM200TA5
AA CN3063
NC
CN4008
KM200TA9
AA CN3062
NC
NC
W.UP
RY AC
V+5.6ST
GNDST
GNDST
NC
NC
J4009
PF13PG-R12
G CN4402
W UP
RY AC
V+5.6ST
GNDST
RY B
RY CS
RY HP
RY A
V+12V
V-12V
HPR
HPG
HPL
W4001
L4001
STBY
C4001
100/50
W4002
L4002
STBY
D4005
1SS355
D4006
1SS355
RY4003
D4003
1SS355
D4004
1SS355
RY4002
D4007
1SS355
D4008
1SS355
RY4004
D4009
1SS355
D4010
1SS355
RY4005
D4001
1SS355
D4002
1SS355
RY4001
C4002
STBY
Q4003
DTC114TUA
Q4002
DTC114TUA
Q4004
DTC114TUA
Q4005
DTC114TUA
Q4001
DTC114TUA
B
C
E
10k
CHASSIS

PSSP ASSY

* Mark parts

	VSX-74TXVi	VSX-72TXV
R4014,R4024	STBY	⟵
C4101,C4102	ACH7218 (15000/71)	ACH7255 (10000/71)

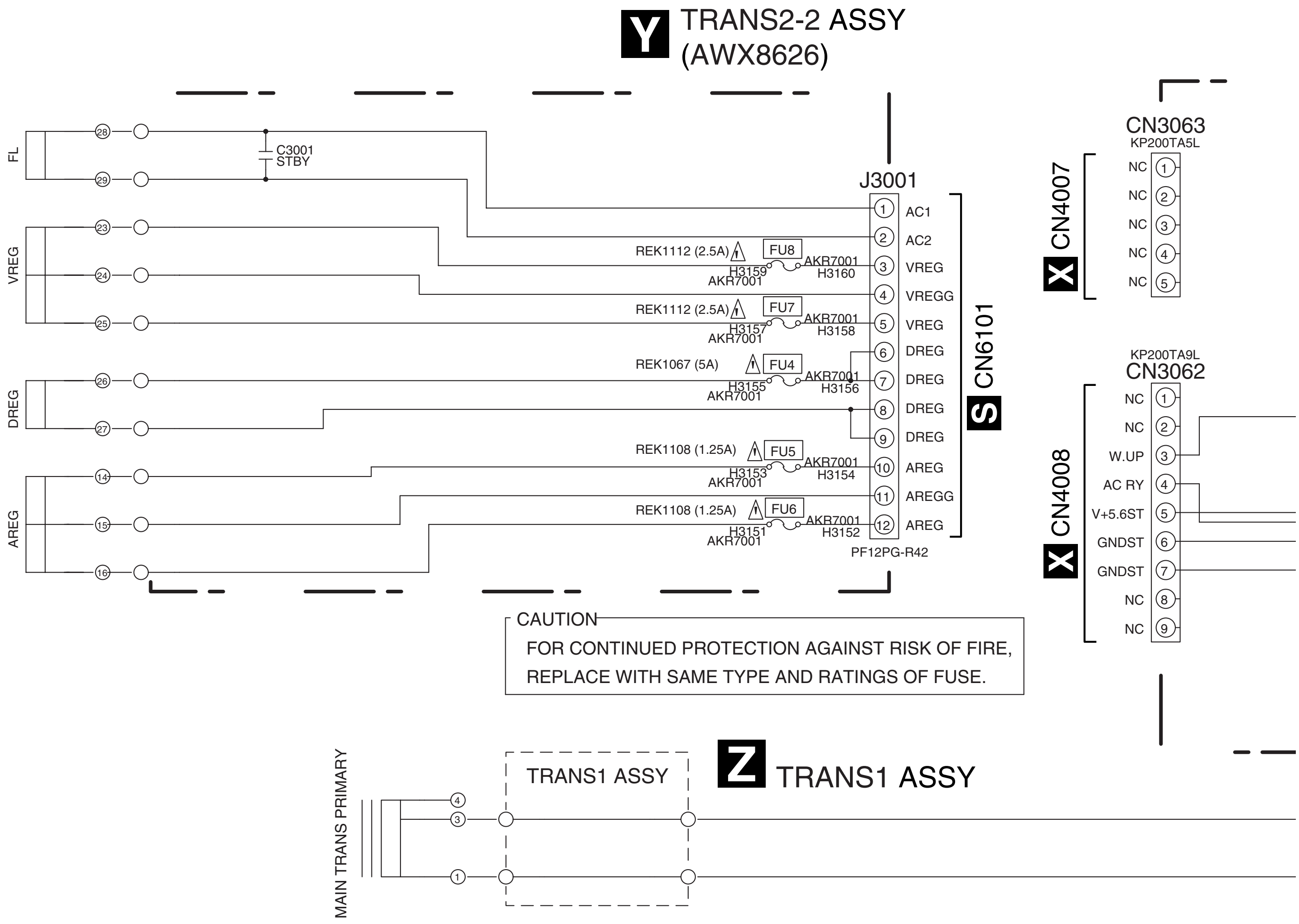
(F) : AUDIO SIGNAL ROUTE (F)

(C) : AUDIO SIGNAL ROUTE (C)

(S) : AUDIO SIGNAL ROUTE (S)

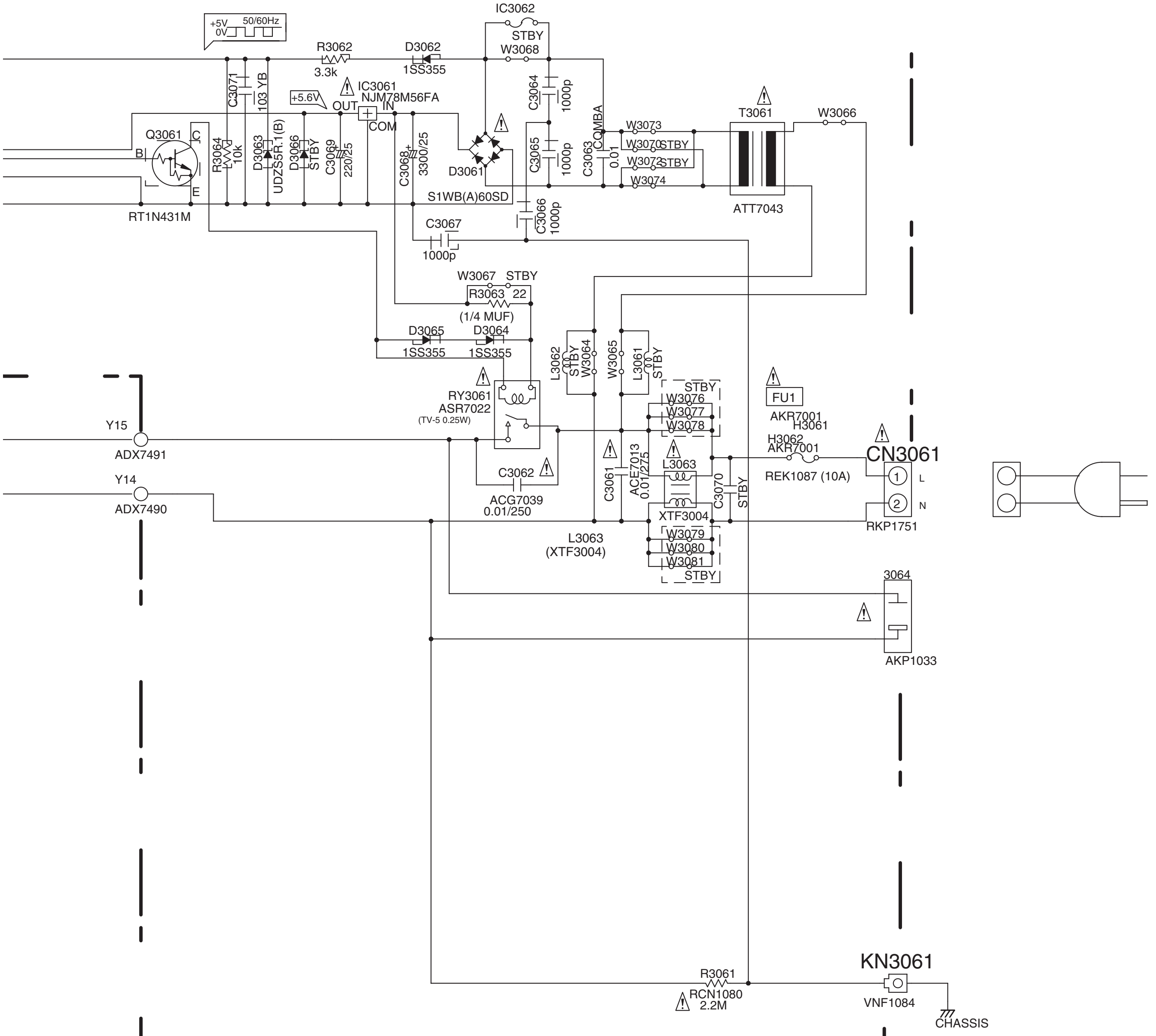
(SB) : AUDIO SIGNAL ROUTE (SB)

3.29 TRANS2-2, TRANS1 and PRIMARY ASSYS


Y
TRANS2-2 ASSY
(AWX8626)
FL
28
29
C3001
STBY
VREG
23
24
25
DREG
26
27
AREG
14
15
16
J3001
1 AC1
2 AC2
3 VREG
4 VREGG
5 VREG
6 DREG
7 DREG
8 DREG
9 DREG
10 AREG
11 AREGG
12 AREG
PF12PG-R42
REK1112 (2.5A)
FU8
H3159
AKR7001
AKR7001
H3160
REK1112 (2.5A)
FU7
H3157
AKR7001
AKR7001
H3158
REK1067 (5A)
FU4
H3155
AKR7001
AKR7001
H3156
REK1108 (1.25A)
FU5
H3153
AKR7001
AKR7001
H3154
REK1108 (1.25A)
FU6
H3151
AKR7001
AKR7001
H3152
S CN6101
CN3063
KP200TA5L
X CN4007
NC 1
NC 2
NC 3
NC 4
NC 5
KP200TA9L
CN3062
X CN4008
NC 1
NC 2
W.UP 3
AC RY 4
V+5.6ST 5
GNDST 6
GNDST 7
NC 8
NC 9
Z
TRANS1 ASSY
TRANS1 ASSY
MAIN TRANS PRIMARY
4
3
1

CAUTION
FOR CONTINUED PROTECTION AGAINST RISK OF FIRE,
REPLACE WITH SAME TYPE AND RATINGS OF FUSE.

AA PRIMARY ASSY
(AWX8628)

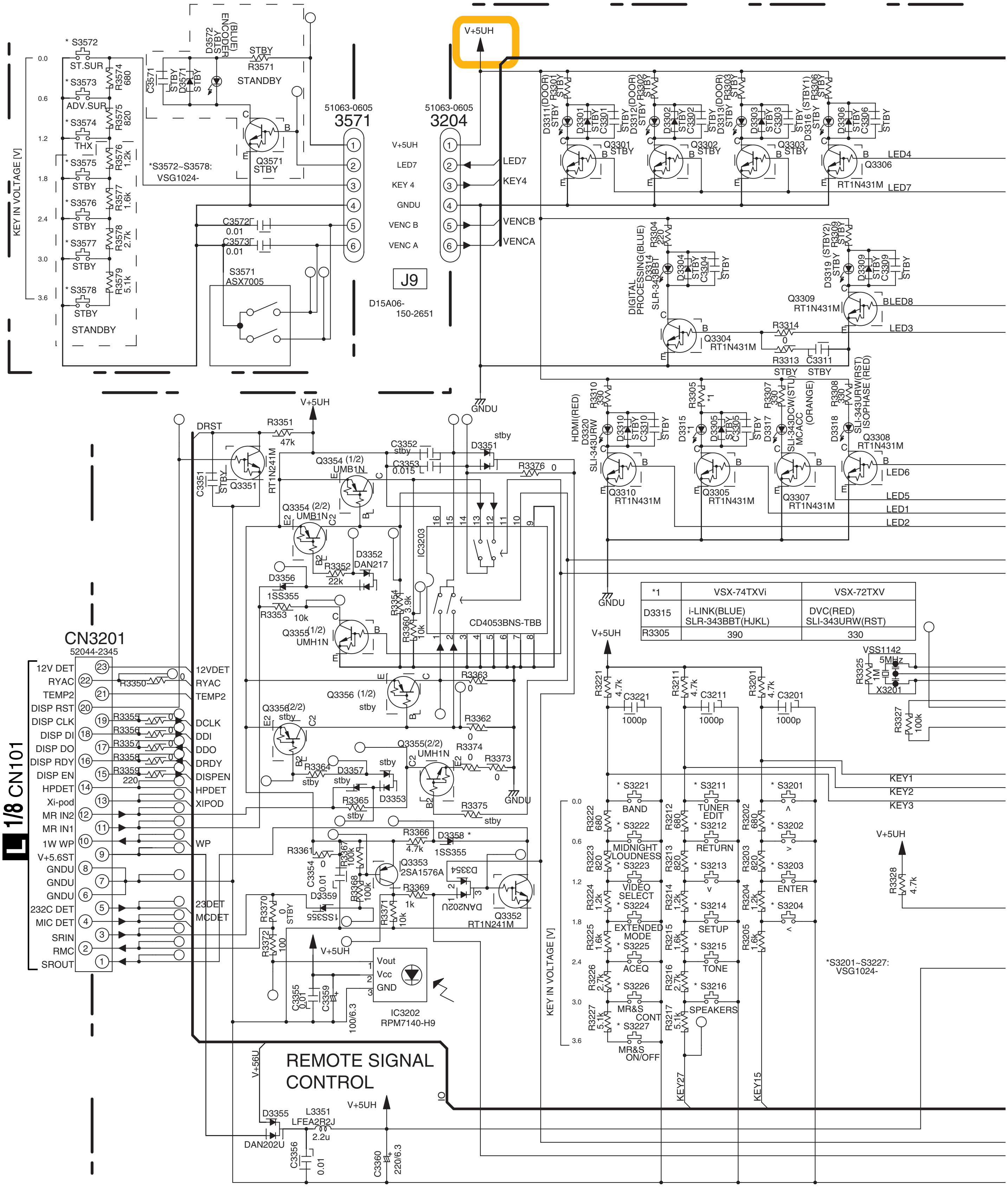

+5V
0V
50/60Hz
R3062
3.3k
D3062
1SS355
IC3062
STBY
W3068
C3071
103 YB
IC3061
NJM78M56FA
+5.6V
OUT
IN
COM
Q3061
B
C
E
RT1N431M
R3064
10k
D3063
UDZS5R.1(B)
D3066
STBY
C3069
220/25
C3068
3300/25
D3061
S1WB(A)60SD
C3064
1000p
C3065
1000p
C3063
0.01
COMBA
C3066
1000p
C3067
1000p
W3073
W3070 STBY
W3072 STBY
W3074
T3061
ATT7043
W3066
W3067 STBY
R3063 22
(1/4 MUF)
D3065
1SS355
D3064
1SS355
L3062
STBY
W3064
W3065
L3061
STBY
RY3061
ASR7022
(TV-5 0.25W)
C3062
ACG7039
0.01/250
Y15
ADX7491
Y14
ADX7490
C3061
ACE7013
0.01/275
L3063
XTF3004
L3063
(XTF3004)
C3070
STBY
STBY
W3076
W3077
W3078
W3079
W3080
W3081
STBY
FU1
AKR7001
H3061
H3062
AKR7001
REK1087 (10A)
CN3061
1 L
2 N
RKP1751
3064
AKP1033
KN3061
VNF1084
CHASSIS
R3061
RCN1080
2.2M

The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore,when replacing,be sure to use parts of identical designation.

3.30 VOLUME, DISPLAY and INPUT SELECT ASSYS

AB VOLUME ASSY(AWX8641)

VOLUME ASSY
S3572 : STANDARD SURROUND
S3573 : ADVANCED SURROUND
S3574 : HOME THX



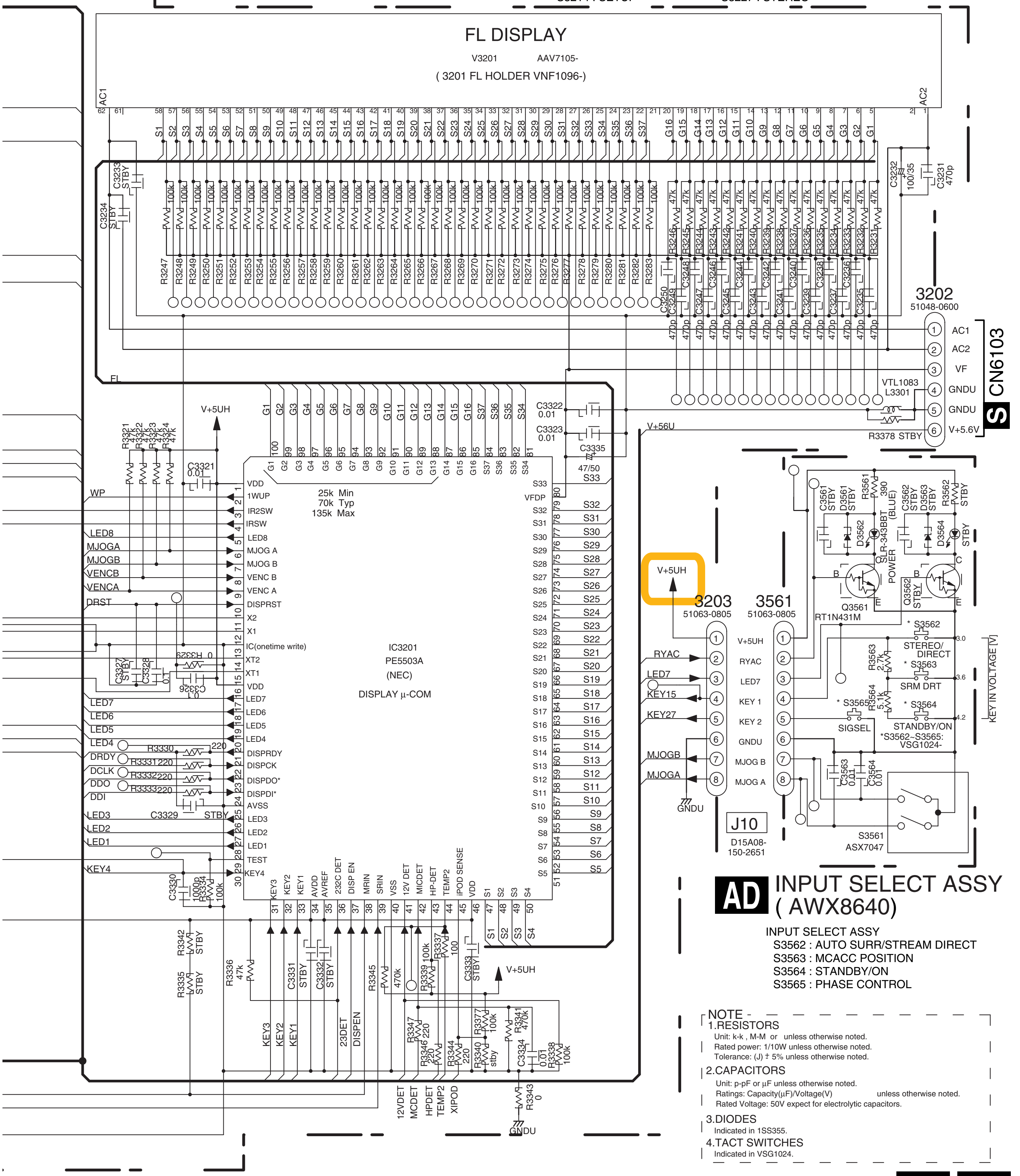
V+5UH
KEY IN VOLTAGE [V]
0.0
0.6
1.2
1.8
2.4
3.0
3.6
* S3572
ST.SUR
* S3573
ADV.SUR
* S3574
THX
* S3575
STBY
* S3576
STBY
* S3577
STBY
* S3578
STBY
STANDBY
R3574 680
R3575 820
R3576 1.2k
R3577 1.6k
R3578 2.7k
R3579 5.1k
*S3572~S3578: VSG1024-
ENCODER (BLUE)
D3572 STBY
C3571
STBY
D3571
STBY
STBY
R3571
STANDBY
Q3571 STBY
51063-0605
3571
51063-0605
3204
V+5UH
LED7
KEY 4
GNDU
VENC B
VENC A
C3572 0.01
C3573 0.01
S3571 ASX7005
J9
D15A06-150-2651
LED7
KEY4
VENCB
VENCA
D3311(DOOR) STBY
R3301
D3301
C3301
Q3301
D3312(DOOR)
R3302
D3302
C3302
Q3302
D3313(DOOR)
R3303
D3303
C3303
Q3303
D3316 (STBY1)
R3306
D3306
C3306
Q3306
RT1N431M
LED4
DIGITAL PROCESSING(BLUE)
D3314
SLR-343BBT
R3304 220
D3304
C3304
Q3304 RT1N431M
D3319 (STBY2)
R3309
D3309
C3309
Q3309 RT1N431M
BLED8
LED3
R3314 0
R3313
C3311
HDMI(RED)
D3320
SLI-343URW
R3310 330
D3310
C3310
Q3310 RT1N431M
D3315 *1
R3305 *1
D3305
C3305
Q3305 RT1N431M
D3317
MCACC (ORANGE)
SLI-343DCW(STU)
R3307 330
Q3307 RT1N431M
D3318
ISOPHASE (RED)
SLI-343URW(RST)
R3308 330
Q3308 RT1N431M
LED6
LED5
LED1
LED2
GNDU
V+5UH
DRST
R3351 47k
C3351
Q3351
RT1N241M
C3352 stby
C3353 0.015
Q3354 (1/2) UMB1N
Q3354 (2/2) UMB1N
D3351
stby
R3376 0
D3352 DAN217
R3352 22k
D3356 1SS355
R3353 10k
Q3355 (1/2) UMH1N
R3354 3.9k
R3360 10k
IC3203
CD4053BNS-TBB
CN3201
52044-2345
12V DET
RYAC
TEMP2
DISP RST
DISP CLK
DISP DI
DISP DO
DISP RDY
DISP EN
HPDET
Xi-pod
MR IN2
MR IN1
1W WP
V+5.6ST
GNDU
232C DET
MIC DET
SRIN
RMC
SROUT
R3350
R3355
R3356
R3357
R3358
R3359 220
12VDET
RYAC
TEMP2
DCLK
DDI
DDO
DRDY
DISPEN
HPDET
XIPOD
WP
23DET
MCDET
L 1/8 CN101
Q3356 (1/2) stby
Q3356 (2/2) stby
R3363 0
R3362 0
Q3355(2/2) UMH1N
R3374 0
R3373 0
R3364
D3357
D3353
R3365 stby
R3375 stby
R3366 4.7k
D3358 * 1SS355
R3361
C3354 0.01
R3367 100k
Q3353 2SA1576A
D3354
R3368 100k
R3369 1k
DAN202U
Q3352 RT1N241M
D3359 1SS355
R3370 0 STBY
R3371 10k
R3372 100
Vout
Vcc
GND
IC3202 RPM7140-H9
C3355 0.01
C3359
100/6.3
REMOTE SIGNAL CONTROL
V+56U
IO
D3355 DAN202U
L3351 LFEA2R2J 2.2u
C3356 0.01
C3360 220/6.3
R3221 4.7k
C3221 1000p
R3211 4.7k
C3211 1000p
R3201 4.7k
C3201 1000p
VSS1142
R3325
1M
5MHz
X3201
R3327 100k
KEY1
KEY2
KEY3
* S3221 BAND
* S3222 MIDNIGHT /LOUDNESS
* S3223 VIDEO SELECT
* S3224 EXTENDED MODE
* S3225 ACEQ
* S3226 MR&S CONT
* S3227 MR&S ON/OFF
R3222 680
R3223 820
R3224 1.2k
R3225 1.6k
R3226 2.7k
R3227 5.1k
* S3211 TUNER EDIT
* S3212 RETURN
* S3213 v
* S3214 SETUP
* S3215 TONE
* S3216 SPEAKERS
R3212 680
R3213 820
R3214 1.2k
R3215 1.6k
R3216 2.7k
R3217 5.1k
* S3201 ^
* S3202 >
* S3203 ENTER
* S3204 <
R3202 680
R3203 820
R3204 1.2k
R3205 1.6k
KEY27
KEY15
R3328 4.7k
*S3201~S3227: VSG1024-

*1	VSX-74TXVi	VSX-72TXV
D3315	i-LINK(BLUE) SLR-343BBT(HJKL)	DVC(RED) SLI-343URW(RST)
R3305	390	330

AB **AC**

AC DISPLAY ASSY (VSX-74TXVi:AWX8635) (VSX-72TXV:AWX8636)

DISPLAY ASSY
S3201 : ⬆(TUNE/ST +/-)
S3202 : ➡(TUNE/ST +/-)
S3203 : ENTER
S3204 : ⬅(TUNE/ST +/-)
S3211 : TUNER EDIT
S3212 : RETURN
S3213 : ⬇(TUNE/ST +/-)
S3214 : SETUP
S3215 : AV PARAMETER
S3216 : SPEAKERS
S3221 : BAND
S3222 : MULTI ROOM & SOURCE/REC SEL CONTROL
S3223 : MULTI ROOM & SOURCE/REC SEL ON/OFF
S3224 : VIDEO SELECT
S3225 : SIGNAL SELECT
S3226 : SBch PROCESSING
S3227 : STEREO


FL DISPLAY
V3201 AAV7105-
(3201 FL HOLDER VNF1096-)
AC1
AC2
S1 … S37
G1 … G16
100k
47k
470p
R3247 … R3283
R3231 … R3246
C3235 … C3250
C3233 STBY
C3234 STBY
C3232 100/35
C3231 470p
3202
51048-0600
AC1
AC2
VF
GNDU
GNDU
V+5.6V
CN6103
VTL1083
L3301
R3378 STBY
FL
V+5UH
V+56U
C3322 0.01
C3323 0.01
C3335 47/50
R3321 R3322 R3323 R3324 47k
C3321 0.01
WP
LED8
MJOGA
MJOGB
VENCB
VENCA
DRST
25k Min
70k Typ
135k Max
IC3201
PE5503A
(NEC)
DISPLAY µ-COM
VDD
1WUP
IR2SW
IRSW
LED8
MJOG A
MJOG B
VENC B
VENC A
DISPRST
X2
X1
IC(onetime write)
XT2
XT1
VDD
LED7
LED6
LED5
LED4
DISPRDY
DISPCK
DISPDO*
DISPDI*
AVSS
LED3
LED2
LED1
TEST
KEY4
VFDP
S33 … S5
R3329 0
C3327 STBY
C3328
C3326 0.1
LED7
LED6
LED5
LED4
DRDY
DCLK
DDO
DDI
R3330 220
R3331 220
R3332 220
R3333 220
C3329 STBY
LED3
LED2
LED1
KEY4
C3330
R3334 1000p 100k
KEY3
KEY2
KEY1
AVDD
AVREF
232C DET
DISP EN
MRIN
SRIN
VSS
12V DET
MICDET
HP-DET
TEMP2
iPOD SENSE
VDD
R3342 STBY
R3335 STBY
R3336 47k
C3331 STBY
C3332 STBY
R3345
470k
R3339 100k
R3337 100
C3333 STBY
V+5UH
KEY3
KEY2
KEY1
23DET
DISPEN
R3347 220
R3346 220
R3344 220
R3340 stby
R3377 100k
R3341 470k
C3334 0.01
R3338 100k
12VDET
MCDET
HPDET
TEMP2
XIPOD
R3343 0
GNDU
V+5UH
3203
51063-0805
3561
51063-0805
RYAC
LED7
KEY15
KEY27
MJOGB
MJOGA
GNDU
V+5UH
RYAC
LED7
KEY 1
KEY 2
GNDU
MJOG B
MJOG A
J10
D15A08-150-2651
C3561 STBY
D3561 STBY
R3561 390
C3562 STBY
D3563 STBY
R3562 STBY
D3562
SLR-343BBT (BLUE) POWER
D3564 STBY
Q3562 STBY
Q3561
RT1N431M
S3562
STEREO/DIRECT
S3563
SRM DRT
S3565
SIGSEL
S3564
STANDBY/ON
*S3562~S3565: VSG1024-
R3563 2.7k
R3564 5.1k
3.0
3.6
4.2
KEY IN VOLTAGE [V]
C3563 0.01
C3564 0.01
S3561
ASX7047

AD INPUT SELECT ASSY (AWX8640)

INPUT SELECT ASSY
S3562 : AUTO SURR/STREAM DIRECT
S3563 : MCACC POSITION
S3564 : STANDBY/ON
S3565 : PHASE CONTROL

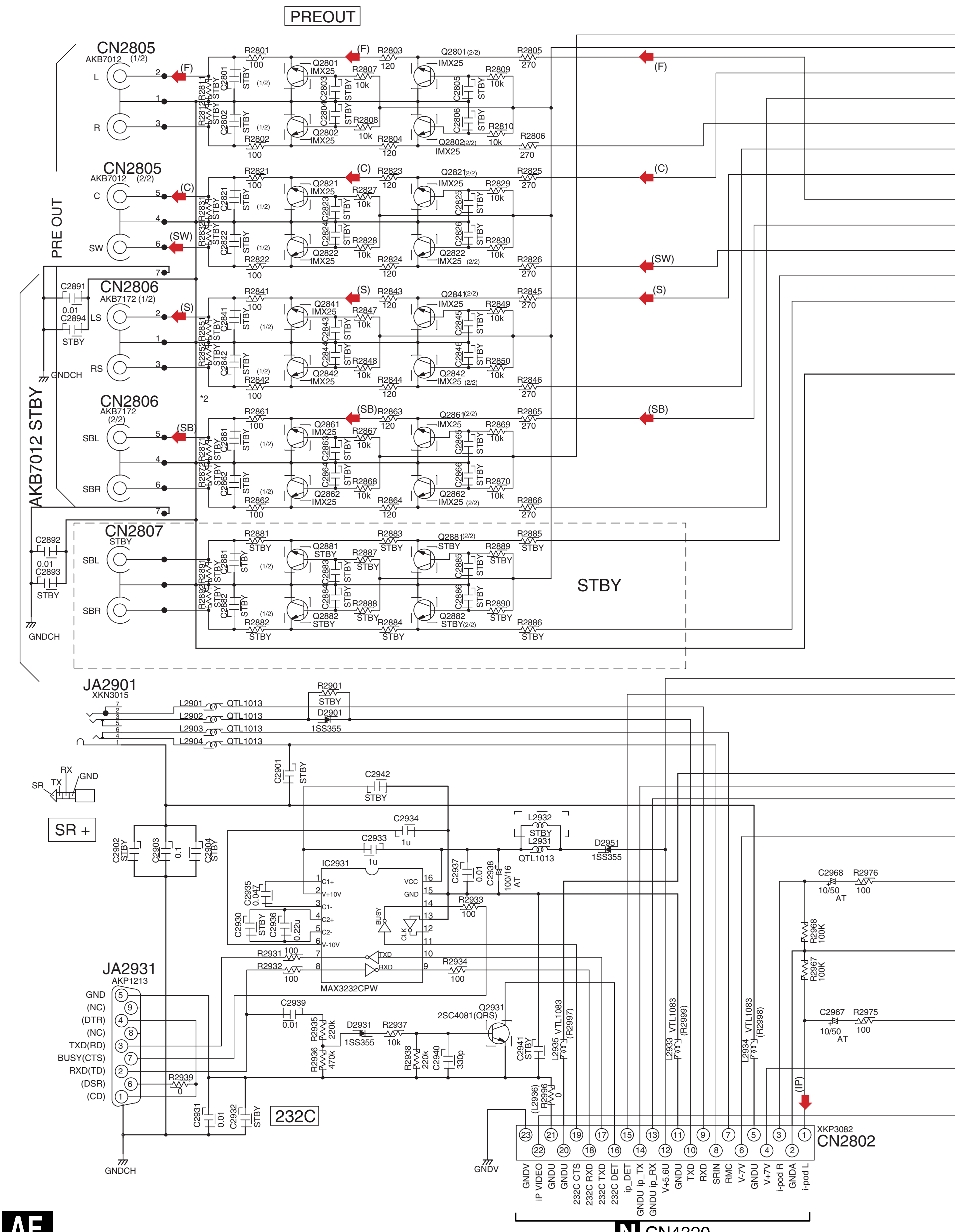
NOTE -
1.RESISTORS
Unit: k-k , M-M or unless otherwise noted.
Rated power: 1/10W unless otherwise noted.
Tolerance: (J) ± 5% unless otherwise noted.

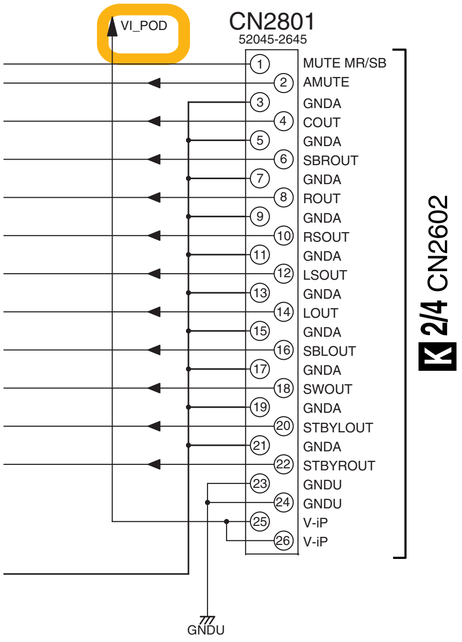
2.CAPACITORS
Unit: p-pF or µF unless otherwise noted.
Ratings: Capacity(µF)/Voltage(V) unless otherwise noted.
Rated Voltage: 50V expect for electrolytic capacitors.

3.DIODES
Indicated in 1SS355.

4.TACT SWITCHES
Indicated in VSG1024.

3.31 PREOUT & CONTROL ASSY

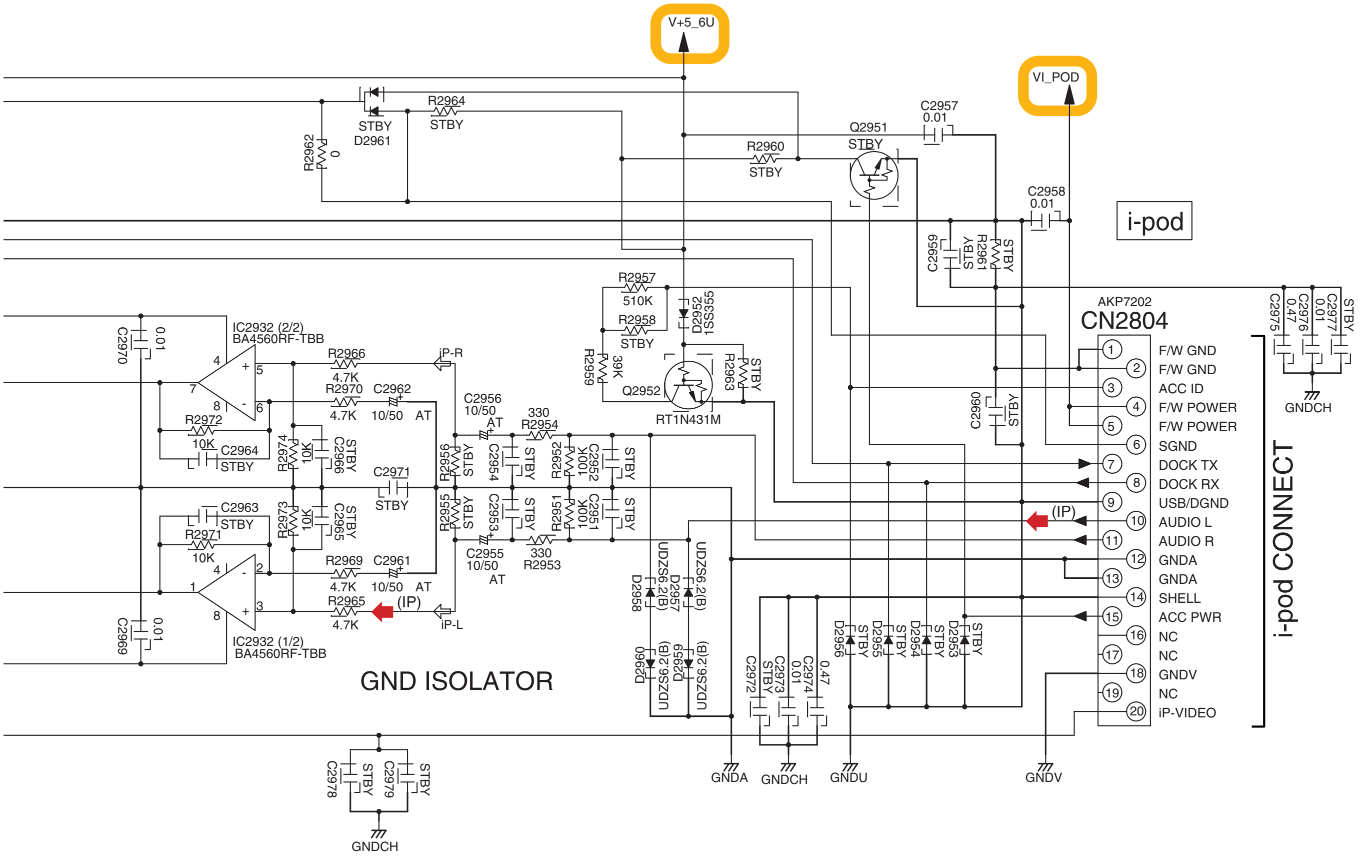

PREOUT
PRE OUT
CN2805
AKB7012 (1/2)
AKB7012 (2/2)
L
R
C
SW
(F)
(C)
(SW)
(S)
(SB)
CN2806
AKB7172 (1/2)
AKB7172 (2/2)
LS
RS
SBL
SBR
CN2807
STBY
AKB7012 STBY
GNDCH
C2891
0.01
C2894
C2892
C2893
Q2801 IMX25
Q2802 IMX25
Q2821 IMX25
Q2822 IMX25
Q2841 IMX25
Q2842 IMX25
Q2861 IMX25
Q2862 IMX25
Q2881 STBY
Q2882 STBY
R2801 100
R2803 120
R2805 270
R2807 10k
R2809 10k
*2
JA2901
XKN3015
L2901 QTL1013
L2902 QTL1013
L2903 QTL1013
L2904 QTL1013
R2901 STBY
D2901 1SS355
SR
TX
RX
GND
SR +
C2901 STBY
C2902 STBY
C2903 0.1
C2904 STBY
C2942 STBY
C2933 1u
C2934 1u
C2935 0.047
C2930 STBY
C2936 0.22u
IC2931
MAX3232CPW
C1+
V+10V
C1-
C2+
C2-
V-10V
VCC
GND
BUSY
CLK
TXD
RXD
L2932 STBY
L2931 QTL1013
D2951 1SS355
C2937 0.01
C2938 100/16 AT
R2933 100
R2931 100
R2932 100
R2934 100
JA2931
AKP1213
GND (5)
(NC) (9)
(DTR) (4)
(NC) (8)
TXD(RD) (3)
BUSY(CTS) (7)
RXD(TD) (2)
(DSR) (6)
(CD) (1)
R2939 0
C2931 0.01
C2932 STBY
232C
C2939 0.01
R2935 220k
R2936 470k
D2931 1SS355
R2937 10k
R2938 220k
C2940 330p
Q2931 2SC4081(QRS)
C2941 STBY
L2935 VTL1083 (R2997)
L2933 VTL1083 (R2999)
L2934 VTL1083 (R2998)
(L2936) R2996 0
C2968 10/50 AT
R2976 100
R2968 100K
R2967 100K
C2967 10/50 AT
R2975 100
(IP)
GNDV
XKP3082
CN2802
GNDV
iP VIDEO
GNDU
GNDU
232C CTS
232C RXD
232C TXD
232C DET
ip_DET
GNDU ip_TX
GNDU ip_RX
V+5.6U
GNDU
TXD
RXD
SRIN
RMC
V-7V
GNDU
V+7V
i-pod R
GNDA
i-pod L
N CN4320


VI_POD
CN2801
52045-2645
1 MUTE MR/SB
2 AMUTE
3 GNDA
4 COUT
5 GNDA
6 SBROUT
7 GNDA
8 ROUT
9 GNDA
10 RSOUT
11 GNDA
12 LSOUT
13 GNDA
14 LOUT
15 GNDA
16 SBLOUT
17 GNDA
18 SWOUT
19 GNDA
20 STBYLOUT
21 GNDA
22 STBYROUT
23 GNDU
24 GNDU
25 V-iP
26 V-iP
K 2/4 CN2602
GNDU

AE PREOUT & CONTROL ASSY (AWX8625)

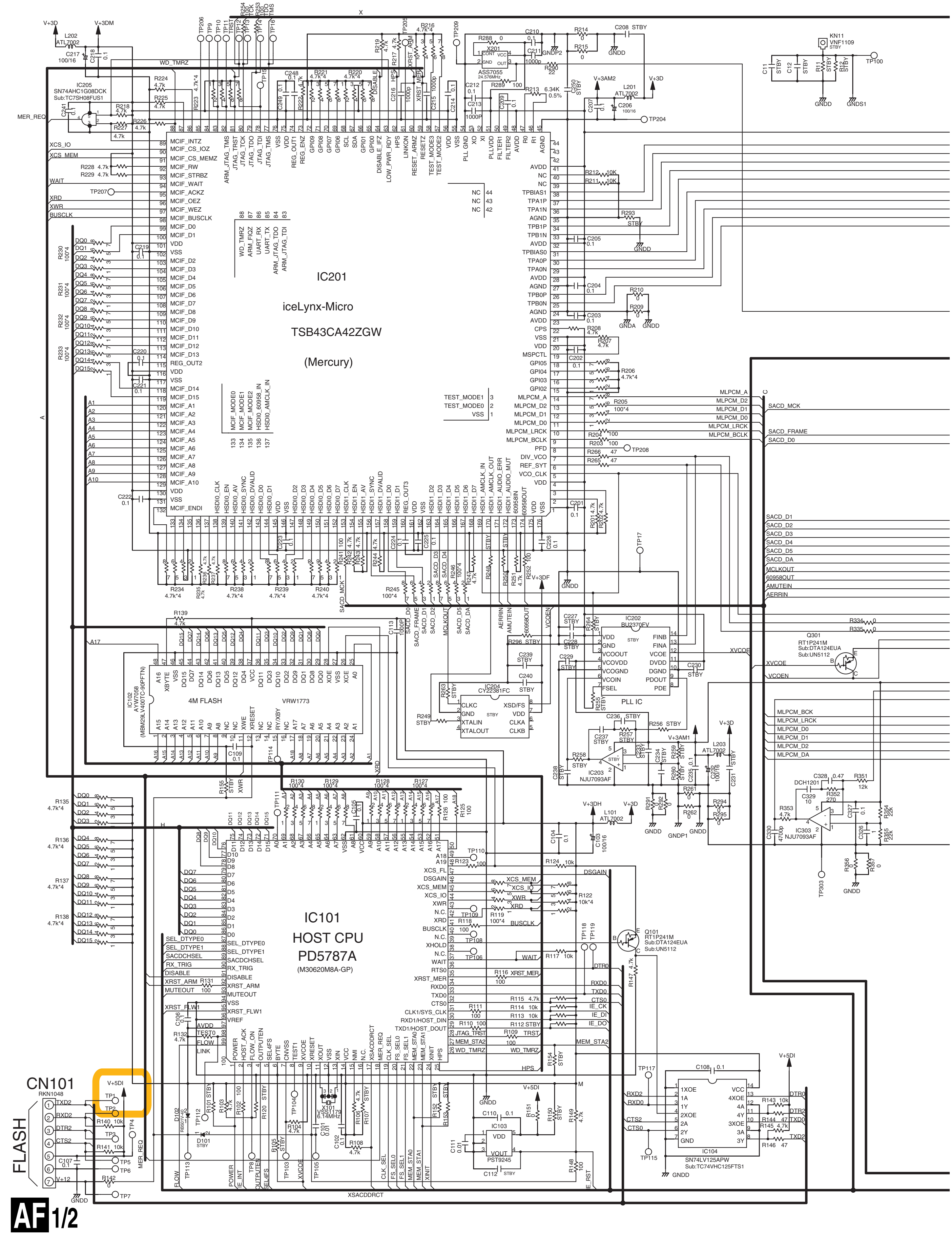
NOTE
1.RESISTORS
Unit: k-k , M-M or unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: (J) 5% unless otherwise noted.
2.CAPACITORS
Unit: p-pF or µF unless otherwise noted.
Ratings: Capacity(µF)/Voltage(V) unless otherwise noted.
Rated Voltage: 50V expect for electrolytic capacitors.

(F) ➡: AUDIO SIGNAL ROUTE (F)
(C) ➡: AUDIO SIGNAL ROUTE (C)
(S) ➡: AUDIO SIGNAL ROUTE (S)
(SB) ➡: AUDIO SIGNAL ROUTE (SB)
(SW) ➡: AUDIO SIGNAL ROUTE (SW)
(IP) ➡: AUDIO SIGNAL ROUTE (IP)


V+5_6U
VI_POD
STBY
D2961
R2964
STBY
R2962
0
R2960
STBY
Q2951
STBY
C2957
0.01
C2958
0.01
i-pod
C2959
STBY
R2961
STBY
R2957
510K
R2958
STBY
R2959
39K
D2952
1SS355
R2963
STBY
Q2952
RT1N431M
C2960
STBY
AKP7202
CN2804
1 F/W GND
2 F/W GND
3 ACC ID
4 F/W POWER
5 F/W POWER
6 SGND
7 DOCK TX
8 DOCK RX
9 USB/DGND
10 AUDIO L
11 AUDIO R
12 GNDA
13 GNDA
14 SHELL
15 ACC PWR
16 NC
17 NC
18 GNDV
19 NC
20 iP-VIDEO
i-pod CONNECT
C2975
0.47
C2976
0.01
C2977
STBY
GNDCH
(IP)
C2970
0.01
IC2932 (2/2)
BA4560RF-TBB
R2966
4.7K
iP-R
R2970
4.7K
C2962
10/50 AT
R2972
10K
C2964
STBY
C2956
10/50
AT
330
R2954
R2974
10K
C2966
STBY
R2956
STBY
C2954
STBY
R2952
100K
C2952
STBY
C2971
STBY
C2963
STBY
R2971
10K
R2973
10K
C2965
STBY
R2955
STBY
C2953
STBY
R2951
100K
C2951
STBY
C2955
10/50
AT
330
R2953
C2969
0.01
IC2932 (1/2)
BA4560RF-TBB
R2969
4.7K
C2961
10/50 AT
R2965
4.7K
(IP)
iP-L
UDZS6.2(B)
D2958
D2957
UDZS6.2(B)
D2960
UDZS6.2(B)
D2959
UDZS6.2(B)
C2972
STBY
C2973
0.01
C2974
0.47
D2956
STBY
D2955
STBY
D2954
STBY
D2953
STBY
GND ISOLATOR
C2978
STBY
C2979
STBY
GNDCH
GNDA
GNDCH
GNDU
GNDV

AE

3.32 1394 ASSY (1/2)


IC201
iceLynx-Micro
TSB43CA42ZGW
(Mercury)
IC101
HOST CPU
PD5787A
(M30620M8A-GP)
IC102
AYW7058
(MBM29LV400TC-90PFTN)
4M FLASH
VRW1773
IC202
BU2370FV
PLL IC
IC204
CY22381FC
IC203
NJU7093AF
IC303
NJU7093AF
IC205
SN74AHC1G08DCK
Sub:TC7SH08FUS1
IC103
PST9245
IC104
SN74LV125APW
Sub:TC74VHC125FTS1
Q301
RT1P241M
Sub:DTA124EUA
Sub:UN5112
Q101
RT1P241M
Sub:DTA124EUA
Sub:UN5112
X201
ASS7055
24.576MHz
X101
VSS1179
6.14MHz
KN11
VNF1109
CN101
RKN1048
FLASH
TXD2
RXD2
DTR2
CTS2
V+12
GNDD
V+3D
V+3DM
V+3AM1
V+3AM2
V+3DH
V+5DI
V+3DF
L201
ATL7002
L202
ATL7002
L203
ATL7002
L101
ATL7002
DCH1201
MER_REQ
XCS_IO
XCS_MEM
WAIT
XRD
XWR
BUSCLK
WD_TMRZ
SACD_MCK
SACD_FRAME
SACD_D0
SACD_D1
SACD_D2
SACD_D3
SACD_D4
SACD_D5
SACD_DA
MCLKOUT
60958OUT
AMUTEIN
AERRIN
XVCOE
VCOEN
MLPCM_A
MLPCM_D2
MLPCM_D1
MLPCM_D0
MLPCM_LRCK
MLPCM_BCLK
MLPCM_BCK
MLPCM_DA
DSGAIN
XSACDDRCT
MEM_STA2
1
2
3
4
A
B
C
D
E
F

AF 1/2

AF 1/2 1394 ASSY
(VSX-74TXVi:AWK7882)

⚠ IMPORTANT PARTS FOR SAFETY

Indicated in "STBY" parts are STANDBY.

CAPACITORS

Unit : p-pF or μF unless otherwise noted.

:CEVW101M16

CH :CCSRCH

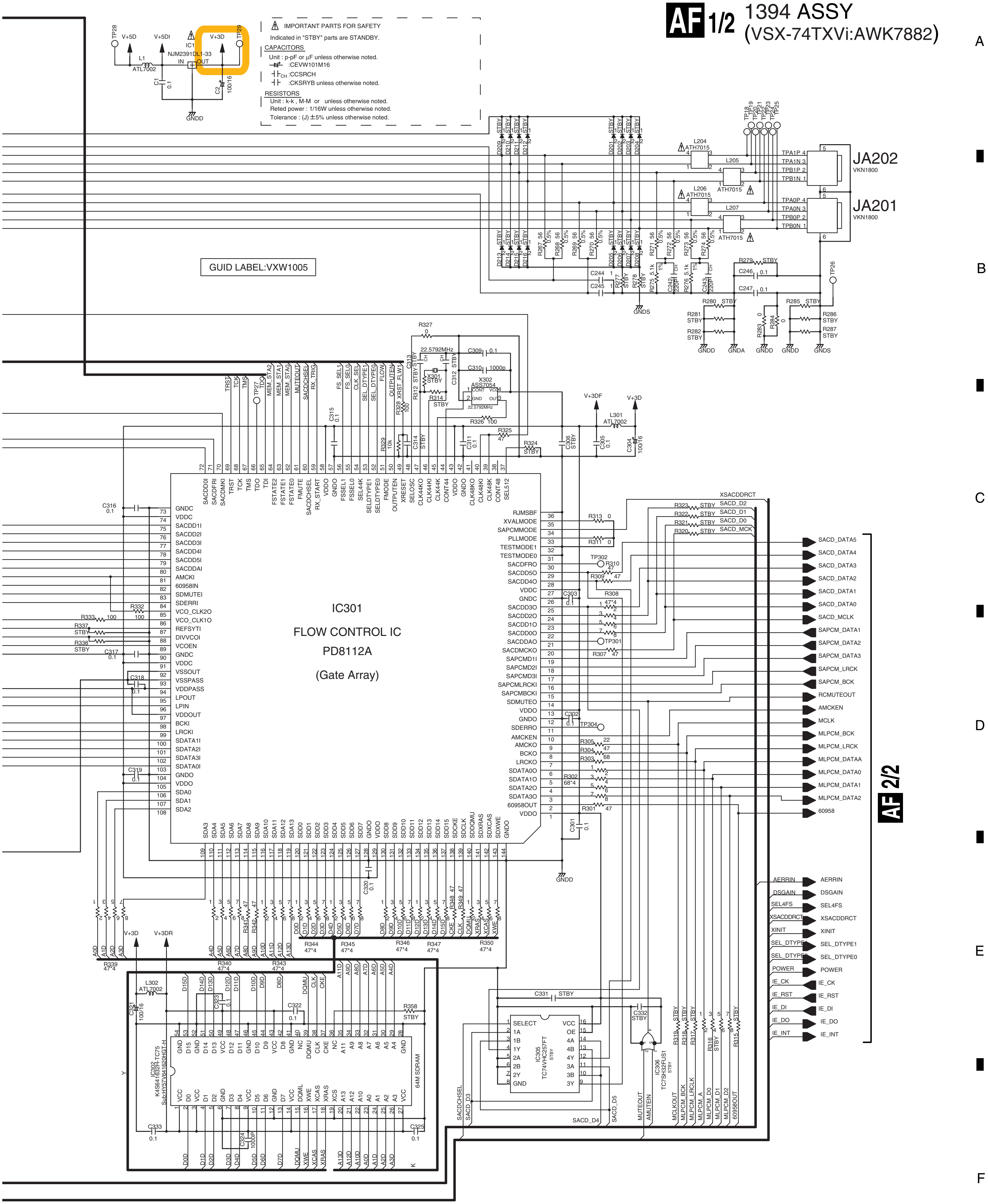
:CKSRYB unless otherwise noted.

RESISTORS

Unit : k-k , M-M or unless otherwise noted.

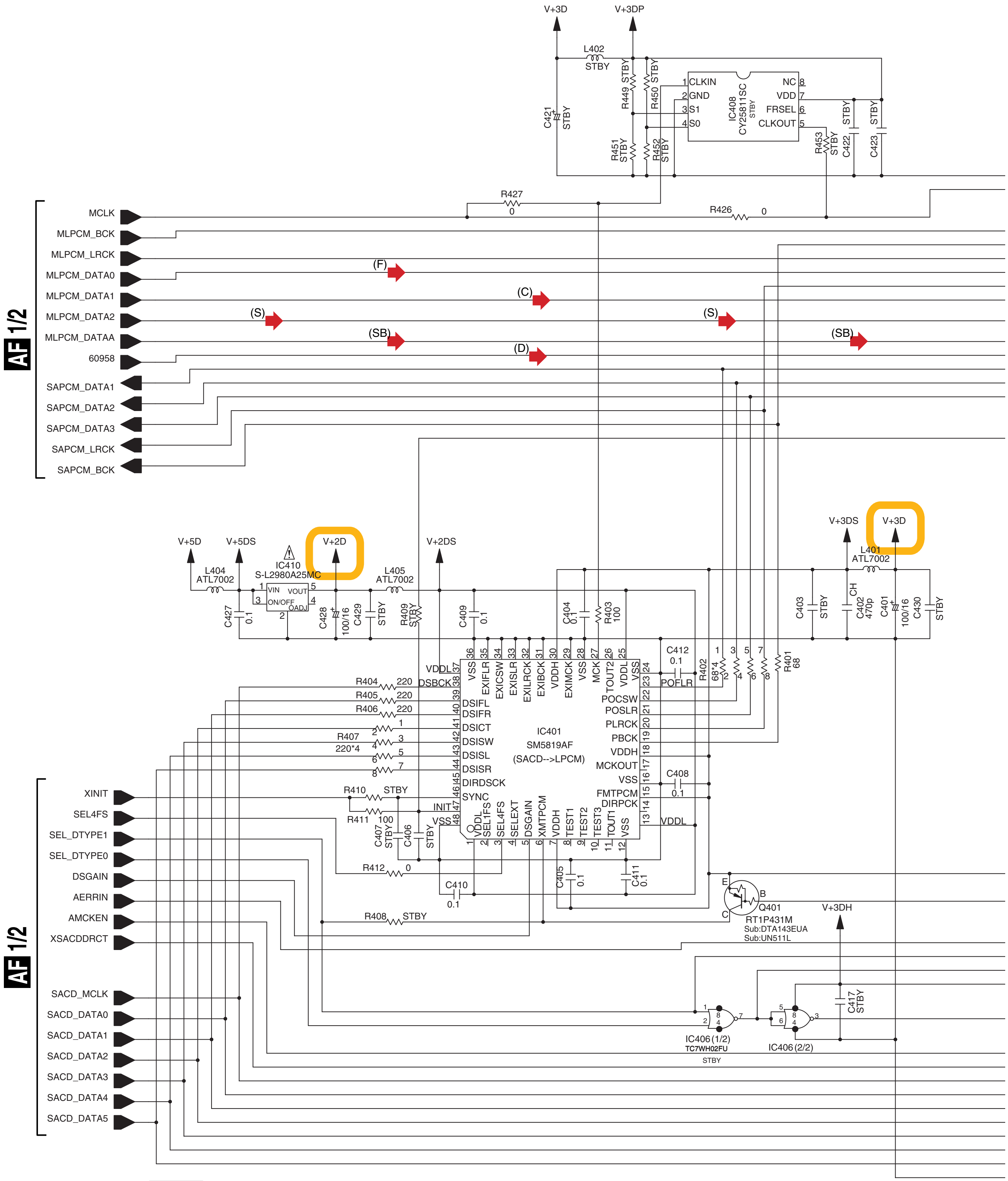
Reted power : 1/16W unless otherwise noted.

Tolerance : (J) ±5% unless otherwise noted.



A
B
C
D
E
F
TP28
V+5D
V+5DI
V+3D
TP29
IC1
NJM2391DL1-33
IN
OUT
L1
ATL7002
C1 0.1
C2 100/16
GNDD
GUID LABEL:VXW1005
JA202
VKN1800
JA201
VKN1800
TPA1P
TPA1N
TPB1P
TPB1N
TPA0P
TPA0N
TPB0P
TPB0N
L204 ATH7015
L205
L206 ATH7015
L207
ATH7015
TP18
TP19
TP20
TP21
TP22
TP23
TP24
TP25
TP26
D209 STBY
D210 STBY
D211 STBY
D212 STBY
D201 STBY
D202 STBY
D203 STBY
D204 STBY
D213 STBY
D214 STBY
D215 STBY
D216 STBY
D205 STBY
D206 STBY
D207 STBY
D208 STBY
R267 56 0.5%
R268 56 0.5%
R269 56 0.5%
R270 56 0.5%
R271 56 0.5%
R272 56 0.5%
R273 56 0.5%
R274 56 0.5%
C244
C245
R275 5.1k 1%
R276 5.1k 1%
R277 STBY
R278 STBY
C242 220P CH
C243 220P CH
GNDS
R279 STBY
C246 0.1
C247 0.1
R280 STBY
R281 STBY
R282 STBY
R283 0
R284 0
R285 STBY
R286 STBY
R287 STBY
GNDD
GNDA
GNDD
GNDD
GNDS
R327 0
22.5792MHz
C309 0.1
C310 1000p
C313 STBY CH
C312 STBY CH
X301 STBY
X302 ASS7054
CONT VCC
GND OUT
22.5792MHz
R314 STBY
R312 STBY
R328 XRST 100
R326 100
R325 47
R324 STBY
R329 10k
C314 STBY
C315 0.1
C311 0.1
C306 STBY
C305 0.1
C304 100/16
V+3DF
V+3D
L301 ATL7002
TP27
IC301
FLOW CONTROL IC
PD8112A
(Gate Array)
TRST
TCK
TMS
TDO
TDI
MEM_STA2
MEM_STA1
MEM_STA0
MUTEOUT
SACDCHSEL
RX_TRIG
FS_SEL1
FS_SEL0
CLK_SEL
SEL_DTYPE1
SEL_DTYPE0
FLOW
OUTPUTEN
XRST
FLW1
SACDD0I
SACDFRI
SACDMKI
FSTATE2
FSTATE1
FSTATE0
FMUTE
SACDCHSEL
RX_START
VDDO
GNDO
FSSEL1
FSSEL0
SEL44K
SELDTYPE1
SELDTYPE0
FMODE
OUTPUTEN
XRESET
SELOSC
CLK44KI
CLK44K
CONT44
VDDO
GNDO
CLK48KO
CLK48K
CONT48
SEL512
RJMSBF
XVALMODE
SAPCMMODE
PLLMODE
TESTMODE1
TESTMODE0
SACDFRO
SACDD5O
SACDD4O
VDDC
GNDC
SACDD3O
SACDD2O
SACDD1O
SACDD0O
SACDDAO
SACDMCKO
SAPCMD1I
SAPCMD2I
SAPCMD3I
SAPCMLRCKI
SAPCMBCKI
SDMUTEO
VDDO
GNDO
SDERRO
AMCKEN
AMCKO
BCKO
LRCKO
SDATA0O
SDATA1O
SDATA2O
SDATA3O
60958OUT
VDDO
GNDC
VDDC
SACDD1I
SACDD2I
SACDD3I
SACDD4I
SACDD5I
SACDDAI
AMCKI
60958IN
SDMUTEI
SDERRI
VCO_CLK2O
VCO_CLK1O
REFSYTI
DIVVCOI
VCOEN
GNDC
VDDC
VSSOUT
VSSPASS
VDDPASS
LPOUT
LPIN
VDDOUT
BCKI
LRCKI
SDATA1I
SDATA2I
SDATA3I
SDATA0I
GNDO
VDDO
SDA0
SDA1
SDA2
SDA3
SDA4
SDA5
SDA6
SDA7
SDA8
SDA9
SDA10
SDA11
SDA12
SDA13
SDD0
SDD1
SDD2
SDD3
SDD4
SDD5
SDD6
SDD7
GNDO
VDDO
SDD8
SDD9
SDD10
SDD11
SDD12
SDD13
SDD14
SDD15
SDCKE
SDCLK
SDDQMU
SDXRAS
SDXCAS
SDXWE
GNDO
C316 0.1
C317 0.1
C318 0.1
C319 0.1
R333 100
R332 100
R337 STBY
R338 STBY
R313 0
R311 0
TP302
R310
R309 47
C303 0.1
R308 47*4
TP301
R307 47
C302 0.1
TP304
R305 22
R304 47
R303 68
R302 68*4
R301 47
C301 0.1
GNDD
XSACDDRCT
R323 STBY SACD_D2
R322 STBY SACD_D1
R321 STBY SACD_D0
R320 STBY SACD_MCK
SACD_DATA5
SACD_DATA4
SACD_DATA3
SACD_DATA2
SACD_DATA1
SACD_DATA0
SACD_MCLK
SAPCM_DATA1
SAPCM_DATA2
SAPCM_DATA3
SAPCM_LRCK
SAPCM_BCK
RCMUTEOUT
AMCKEN
MCLK
MLPCM_BCK
MLPCM_LRCK
MLPCM_DATAA
MLPCM_DATA0
MLPCM_DATA1
MLPCM_DATA2
60958
AF 2/2
AERRIN
DSGAIN
SEL4FS
XSACDDRCT
XINIT
SEL_DTYPE1
SEL_DTYPE0
POWER
IE_CK
IE_RST
IE_DI
IE_DO
IE_INT
C320 0.1
R339 47*4
R340 47*4
R341 47
R342 47
R343 47*4
R344 47*4
R345 47*4
R346 47*4
R347 47*4
R348 47
R349 47
R350 47*4
V+3D
V+3DR
L302 ATL7002
C321 100/16
C322 0.1
C323 0.1
C324 1000P
C325 0.1
C333 0.1
R358 STBY
IC302
K4S641632F-TC75
Sub:HY57V641620HGT-H
64M SDRAM
C331 STBY
C332 STBY
IC305
TC74VHC257FT STBY
SELECT
1A
1B
1Y
2A
2B
2Y
GND
VCC
OE
4A
4B
4Y
3A
3B
3Y
IC306
TC7SH32FUS1 STBY
R319 STBY
R318 STBY
R317 STBY
R316 STBY
R315 STBY
SACDCHSEL
SACD_D3
SACD_D4
SACD_D5
MUTEOUT
AMUTEIN
MCLKOUT
MLPCM_BCK
MLPCM_LRCLK
MLPCM_A
MLPCM_D0
MLPCM_D1
MLPCM_D2
60958OUT

3.33 1394 ASSY (2/2)


V+3D
V+3DP
L402
STBY
R449 STBY
R450 STBY
C421
STBY
R451 STBY
R452 STBY
IC408
CY25811SC
STBY
1 CLKIN
2 GND
3 S1
4 S0
NC 8
VDD 7
FRSEL 6
CLKOUT 5
R453 STBY
C422 STBY
C423 STBY
R427
0
R426
0
AF 1/2
MCLK
MLPCM_BCK
MLPCM_LRCK
MLPCM_DATA0
MLPCM_DATA1
MLPCM_DATA2
MLPCM_DATAA
60958
SAPCM_DATA1
SAPCM_DATA2
SAPCM_DATA3
SAPCM_LRCK
SAPCM_BCK
(F)
(C)
(S)
(S)
(SB)
(SB)
(D)
V+5D
V+5DS
IC410
S-L2980A25MC
V+2D
V+2DS
L404
ATL7002
L405
ATL7002
VIN
VOUT
ON/OFF
CADJ
C427
0.1
C428
100/16
C429
STBY
R409
STBY
C409
0.1
C404
0.1
R403
100
V+3DS
V+3D
L401
ATL7002
C403
STBY
CH
C402
470p
C401
100/16
C430
STBY
C412
0.1
R402
68*4
R401
68
POFLR
VDDL
DSBCK
R404 220
R405 220
R406 220
R407
220*4
R410
STBY
R411
100
IC401
SM5819AF
(SACD-->LPCM)
VSS
EXIFLR
EXICSW
EXISLR
EXILRCK
EXIBCK
VDDH
EXIMCK
VSS
MCK
TOUT2
VDDL
VSS
DSIFL
DSIFR
DSICT
DSISW
DSISL
DSISR
DIRDSCK
SYNC
INIT
VSS
POCSW
POSLR
PLRCK
PBCK
VDDH
MCKOUT
VSS
FMTPCM
DIRPCK
VDDL
VDDL
SEL1FS
SEL4FS
SELEXT
DSGAIN
XMTPCM
VDDH
TEST1
TEST2
TEST3
TOUT1
VSS
C408
0.1
C407
STBY
C406
STBY
R412
0
C410
0.1
C405
0.1
C411
0.1
R408
STBY
XINIT
SEL4FS
SEL_DTYPE1
SEL_DTYPE0
DSGAIN
AERRIN
AMCKEN
XSACDDRCT
Q401
RT1P431M
Sub:DTA143EUA
Sub:UN511L
E
B
C
V+3DH
C417
STBY
IC406 (1/2)
TC7WH02FU
STBY
IC406 (2/2)
SACD_MCLK
SACD_DATA0
SACD_DATA1
SACD_DATA2
SACD_DATA3
SACD_DATA4
SACD_DATA5

NOTES

⚠ IMPORTANT PARTS FOR SAFETY
Indicated in "STBY" parts are STANDBY.

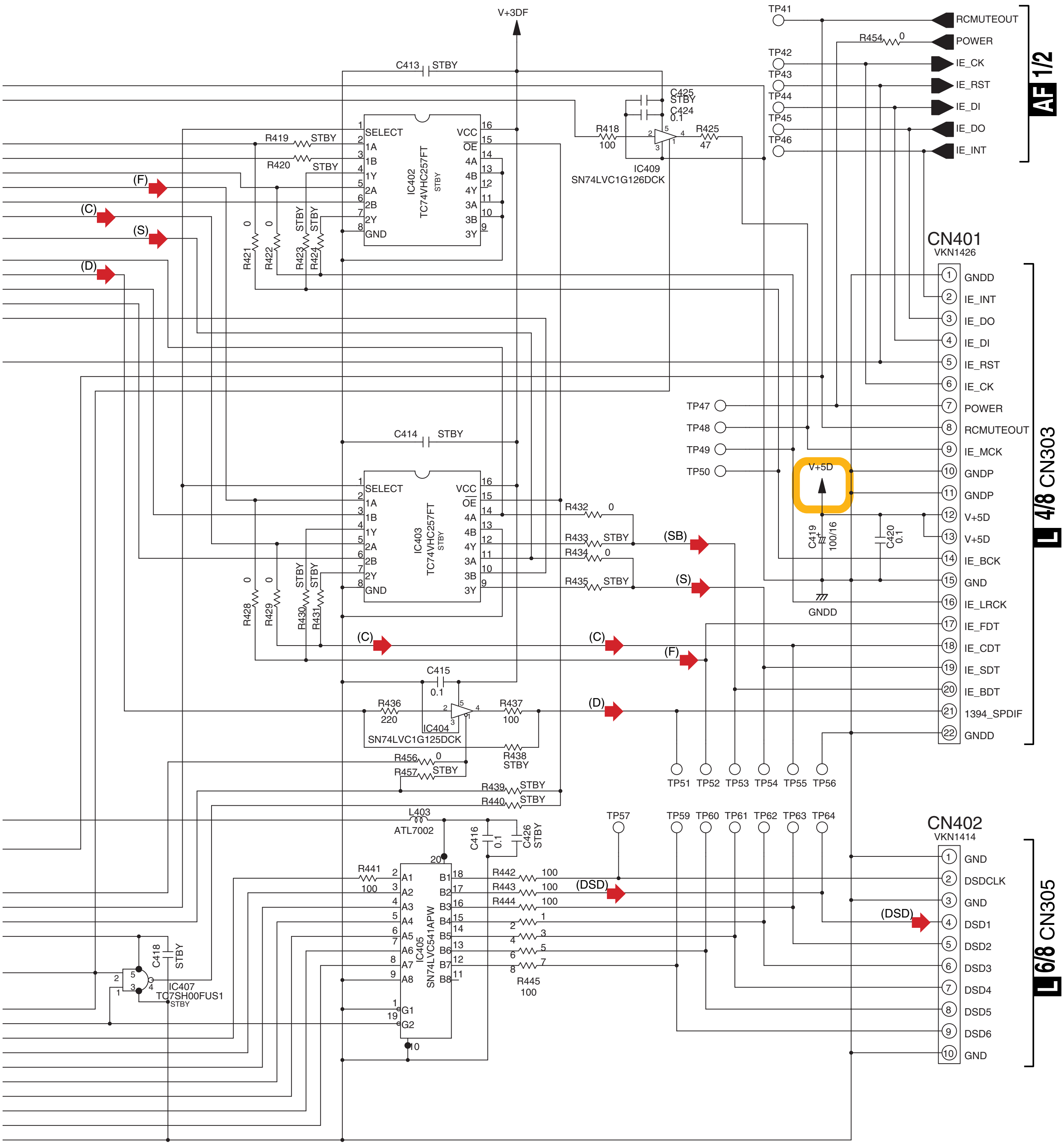
CAPACITORS
Unit : p-pF or µF unless otherwise noted.
Ratings : Capacity(µF)/Voltage(V) unless otherwise noted.
Rated Voltage : 50V except for electrolytic capacitors.

:CEVW101M16
:CKSRYB unless otherwise noted

RESISTORS
Unit : k-k ,M-M or unless otherwise noted.
Rated power : 1/16W unless otherwise noted.
Tolerance : (J)±5% unless otherwise noted.

AF 2/2

AF 2/2 1394 ASSY
(VSX-74TXVi:AWK7882)

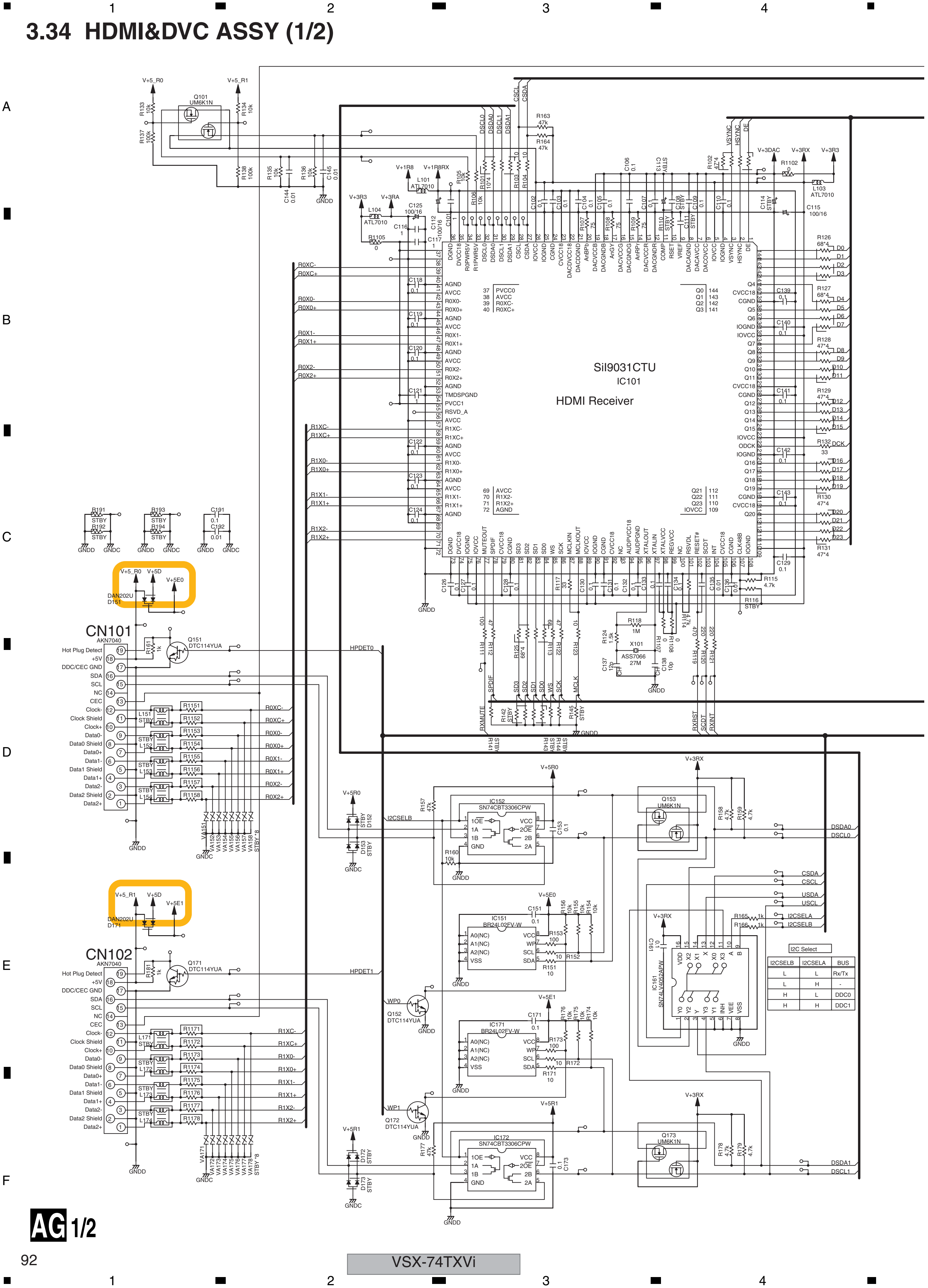


V+3DF
C413 STBY
C425 STBY
C424 0.1
R418 100
R425 47
IC409 SN74LVC1G126DCK
R419 STBY
R420 STBY
(F)
(C)
(S)
(D)
IC402 TC74VHC257FT STBY
SELECT 1A 1B 1Y 2A 2B 2Y GND
VCC OE 4A 4B 4Y 3A 3B 3Y
R421 0
R422 0
R423 STBY
R424 STBY
TP41 TP42 TP43 TP44 TP45 TP46
R454 0
RCMUTEOUT
POWER
IE_CK
IE_RST
IE_DI
IE_DO
IE_INT
AF 1/2
CN401 VKN1426
1 GNDD
2 IE_INT
3 IE_DO
4 IE_DI
5 IE_RST
6 IE_CK
7 POWER
8 RCMUTEOUT
9 IE_MCK
10 GNDP
11 GNDP
12 V+5D
13 V+5D
14 IE_BCK
15 GND
16 IE_LRCK
17 IE_FDT
18 IE_CDT
19 IE_SDT
20 IE_BDT
21 1394_SPDIF
22 GNDD
L 4/8 CN303
TP47 TP48 TP49 TP50
V+5D
C419 100/16
C420 0.1
GNDD
C414 STBY
IC403 TC74VHC257FT STBY
R428 0
R429 0
R430 STBY
R431 STBY
R432 0
R433 STBY
R434 0
R435 STBY
(SB)
(S)
(C)
(F)
C415 0.1
R436 220
R437 100
IC404 SN74LVC1G125DCK
R438 STBY
R456 0
R457 STBY
R439 STBY
R440 STBY
TP51 TP52 TP53 TP54 TP55 TP56
L403 ATL7002
C416 0.1
C426 STBY
TP57 TP59 TP60 TP61 TP62 TP63 TP64
R441 100
IC405 SN74LVC541APW
A1 A2 A3 A4 A5 A6 A7 A8 G1 G2
B1 B2 B3 B4 B5 B6 B7 B8
R442 100
R443 100
R444 100
R445 100
(DSD)
C418 STBY
IC407 TC7SH00FUS1 STBY
CN402 VKN1414
1 GND
2 DSDCLK
3 GND
4 DSD1
5 DSD2
6 DSD3
7 DSD4
8 DSD5
9 DSD6
10 GND
L 6/8 CN305

(F) ➡ : AUDIO SIGNAL ROUTE(F)
(C) ➡ : AUDIO SIGNAL ROUTE(C)
(S) ➡ : AUDIO SIGNAL ROUTE(S)
(SB) ➡ : AUDIO SIGNAL ROUTE(SB)
(D) ➡ : AUDIO SIGNAL ROUTE(SPDIF)
(DSD) ➡ : AUDIO SIGNAL ROUTE(DSD)

AF 2/2

3.34 HDMI&DVC ASSY (1/2)

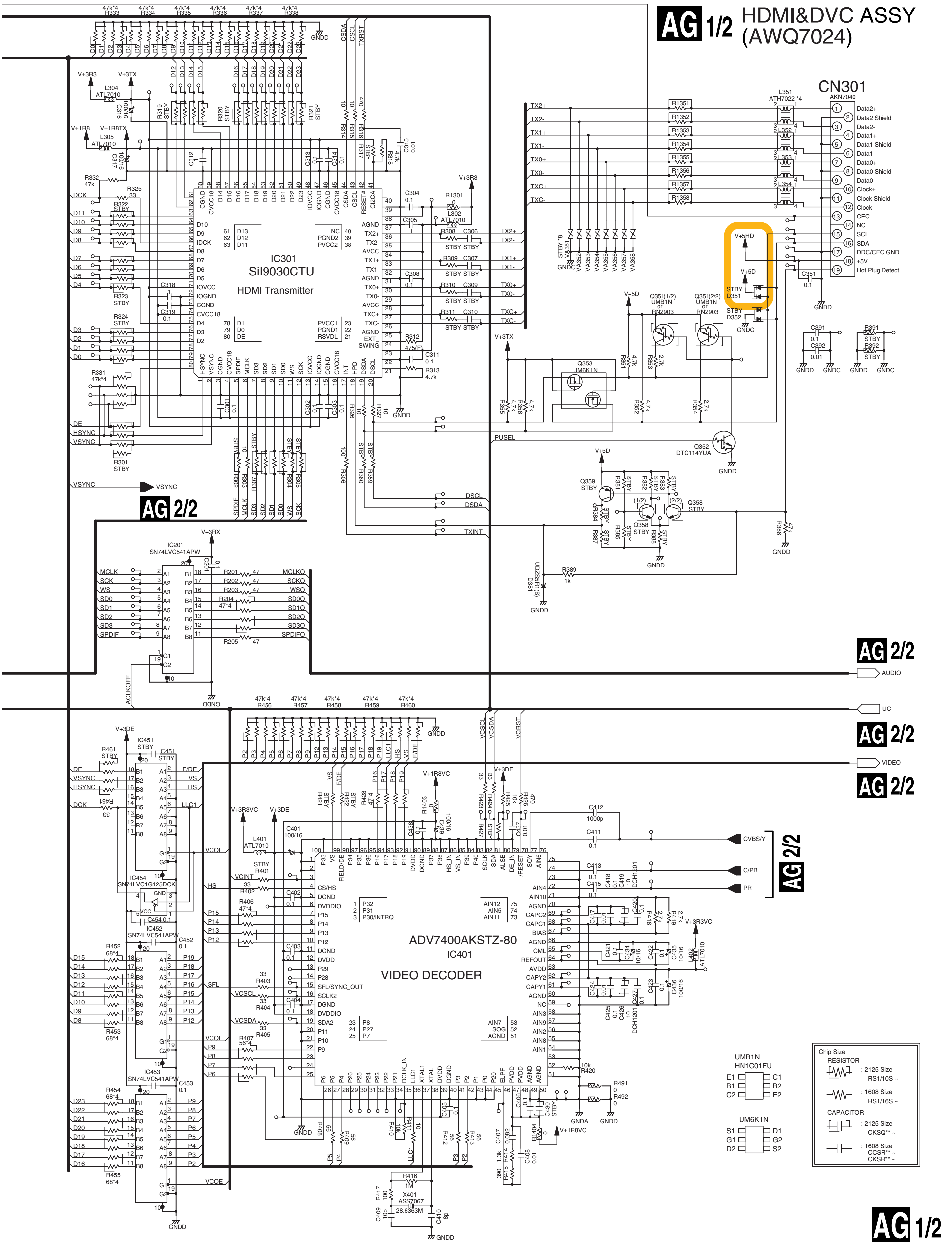


1
2
3
4
A
B
C
D
E
F
SiI9031CTU
IC101
HDMI Receiver
CN101
AKN7040
CN102
AKN7040
Hot Plug Detect
+5V
DDC/CEC GND
SDA
SCL
NC
CEC
Clock-
Clock Shield
Clock+
Data0-
Data0 Shield
Data0+
Data1-
Data1 Shield
Data1+
Data2-
Data2 Shield
Data2+
Q101
UM6K1N
Q151
DTC114YUA
Q171
DTC114YUA
Q152
DTC114YUA
Q172
DTC114YUA
Q153
UM6K1N
Q173
UM6K1N
IC152
SN74CBT3306CPW
IC172
SN74CBT3306CPW
IC151
BR24L02FV-W
IC171
BR24L02FV-W
IC161
SN74LV4052APW
DAN202U
D151
D171
X101
ASS7066
27M
V+5_R0
V+5_R1
V+5D
V+5E0
V+5E1
V+3R3
V+3RA
V+1R8
V+1R8RX
V+3DAC
V+3RX
V+5R0
V+5R1
HPDET0
HPDET1
I2CSELB
I2CSELA
WP0
WP1
DSDA0
DSCL0
DSDA1
DSCL1
CSDA
CSCL
USDA
USCL
SPDIF
SD3
SD2
SD1
SD0
WS
SCK
MCLK
RXMUTE
RXRST
SCDT
RXINT
GNDD
GNDC
STBY
R0XC-
R0XC+
R0X0-
R0X0+
R0X1-
R0X1+
R0X2-
R0X2+
R1XC-
R1XC+
R1X0-
R1X0+
R1X1-
R1X1+
R1X2-
R1X2+
I2C Select

I2CSELB	I2CSELA	BUS
L	L	Rx/Tx
L	H	-
H	L	DDC0
H	H	DDC1

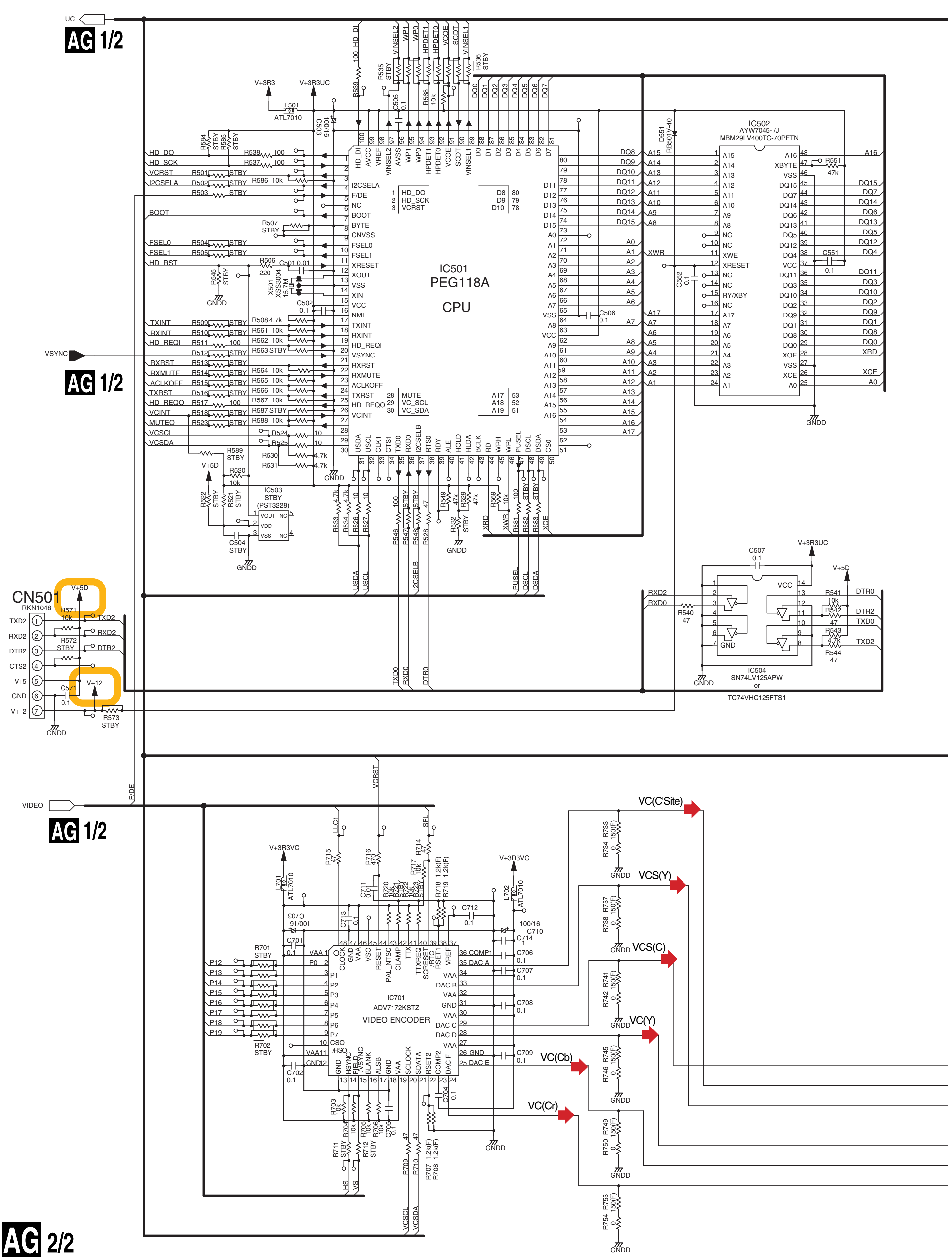
AG 1/2

AG 1/2 HDMI&DVC ASSY (AWQ7024)


CN301
AKN7040
Data2+
Data2 Shield
Data2-
Data1+
Data1 Shield
Data1-
Data0+
Data0 Shield
Data0-
Clock+
Clock Shield
Clock-
CEC
NC
SCL
SDA
DDC/CEC GND
+5V
Hot Plug Detect
L351 ATH7022 *4
R1351
R1352
R1353
R1354
R1355
R1356
R1357
R1358
TX2+
TX2-
TX1+
TX1-
TX0+
TX0-
TXC+
TXC-
IC301
SiI9030CTU
HDMI Transmitter
V+3R3
V+3TX
V+1R8
V+1R8TX
L304 ATL7010
L305 ATL7010
L302 ATL7010
V+5HD
V+5D
STBY D351
STBY D352
Q351(1/2) UMB1N or RN2903
Q351(2/2) UMB1N or RN2903
Q353 UM6K1N
Q352 DTC114YUA
Q359 STBY
Q358 STBY
D381 UDZS5R1(B)
PUSEL
DSCL
DSDA
TXINT
GNDD
GNDC
VSYNC
AG 2/2
IC201
SN74LVC541APW
V+3RX
MCLK
SCK
WS
SD0
SD1
SD2
SD3
SPDIF
MCLKO
SCKO
WSO
SD0O
SD1O
SD2O
SD3O
SPDIFO
ACLKOFF
AUDIO
UC
VIDEO
AG 2/2
AG 2/2
V+3DE
IC451 STBY
IC454 SN74LVC1G125DCK
IC452 SN74LVC541APW
IC453 SN74LVC541APW
VCOE
HS
SFL
VCSCL
VCSDA
VCINT
V+3R3VC
V+1R8VC
L401 ATL7010
ADV7400AKSTZ-80
IC401
VIDEO DECODER
CVBS/Y
C/PB
PR
AG 2/2
V+3R3VC
X401 ASS7067 28.6363M
GNDA
UMB1N HN1C01FU
E1 B1 C2 C1 B2 E2
UM6K1N
S1 G1 D2 D1 G2 S2
Chip Size
RESISTOR
: 2125 Size RS1/10S ~
: 1608 Size RS1/16S ~
CAPACITOR
: 2125 Size CKSQ** ~
: 1608 Size CCSR** ~ CKSR** ~

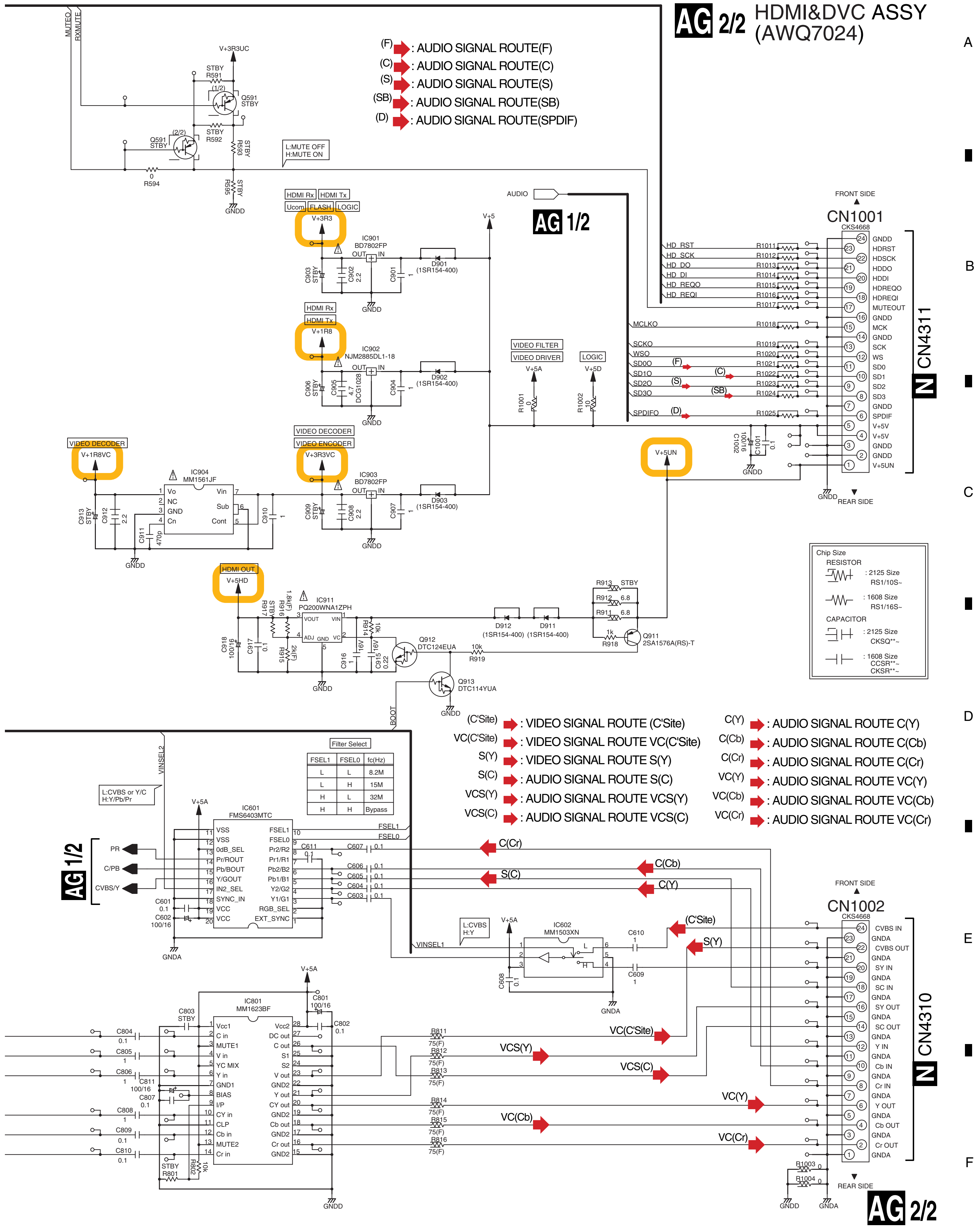
AG 1/2

3.35 HDMI&DVC ASSY (2/2)



AG 1/2
UC
VSYNC
AG 1/2
VIDEO
AG 1/2
AG 2/2
IC501
PEG118A
CPU
IC502
AYW7045-/J
MBM29LV400TC-70PFTN
IC503
STBY
(PST3228)
IC504
SN74LV125APW
or
TC74VHC125FTS1
IC701
ADV7172KSTZ
VIDEO ENCODER
CN501
RKN1048
TXD2
RXD2
DTR2
CTS2
V+5
GND
V+12
V+5D
V+12
V+3R3
V+3R3UC
V+3R3VC
L501
ATL7010
L701
ATL7010
L702
ATL7010
D551
RB501V-40
VC(C'Site)
VCS(Y)
VCS(C)
VC(Y)
VC(Cb)
VC(Cr)
GNDD
F/DE
VCRST

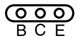
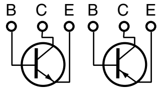
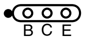
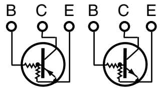
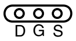
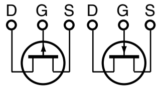
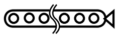
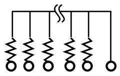
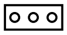
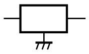
AG 2/2 HDMI&DVC ASSY (AWQ7024)


A
B
C
D
E
F
MUTEO
RXMUTE
V+3R3UC
STBY R591
(1/2)
Q591 STBY
(2/2)
Q591 STBY
STBY R592
STBY R593
0 R594
STBY R595
GNDD
(F) : AUDIO SIGNAL ROUTE(F)
(C) : AUDIO SIGNAL ROUTE(C)
(S) : AUDIO SIGNAL ROUTE(S)
(SB) : AUDIO SIGNAL ROUTE(SB)
(D) : AUDIO SIGNAL ROUTE(SPDIF)
L:MUTE OFF H:MUTE ON
HDMI Rx
HDMI Tx
Ucom
FLASH
LOGIC
V+3R3
IC901 BD7802FP
OUT IN
C903 STBY
C902 2.2
C901 1
D901 (1SR154-400)
V+5
AUDIO
AG 1/2
HDMI Rx
HDMI Tx
V+1R8
IC902 NJM2885DL1-18
C906 STBY
C905 4.7 DCG1028
C904 1
D902 (1SR154-400)
VIDEO FILTER
VIDEO DRIVER
LOGIC
V+5A
V+5D
R1001 0
R1002 10
VIDEO DECODER
V+1R8VC
IC904 MM1561JF
Vo Vin NC Sub GND Cn Cont
C913 STBY
C912 2.2
C911 470p
C910 1
VIDEO DECODER
VIDEO ENCODER
V+3R3VC
IC903 BD7802FP
C909 STBY
C908 2.2
C907 1
D903 (1SR154-400)
V+5UN
HD_RST
HD_SCK
HD_DO
HD_DI
HD_REQO
HD_REQI
MCLKO
SCKO
WSO
SD0O
SD1O
SD2O
SD3O
SPDIFO
R1011
R1012
R1013
R1014
R1015
R1016
R1017
R1018
R1019
R1020
R1021
R1022
R1023
R1024
R1025
C1002 100/16
C1001 0.1
FRONT SIDE
CN1001
CKS4668
GNDD
HDRST
HDSCK
HDDO
HDDI
HDREQO
HDREQI
MUTEOUT
GNDD
MCK
GNDD
SCK
WS
SD0
SD1
SD2
SD3
GNDD
SPDIF
V+5V
V+5V
GNDD
GNDD
V+5UN
REAR SIDE
N CN4311
HDMI OUT
V+5HD
R917 STBY
R916 1.8k(F)
IC911 PQ200WNA1ZPH
VOUT VIN ADJ GND VC
R914 10k
R915 2k(F)
C918 100/16
C917 0.1
C916 1 16V
C915 0.22 16V
Q912 DTC124EUA
10k R919
Q913 DTC114YUA
BOOT
D912 (1SR154-400)
D911 (1SR154-400)
R913 STBY
R912 6.8
R911 6.8
1k R918
Q911 2SA1576A(RS)-T
Chip Size
RESISTOR
: 2125 Size RS1/10S~
: 1608 Size RS1/16S~
CAPACITOR
: 2125 Size CKSQ**~
: 1608 Size CCSR**~ CKSR**~
(C'Site) : VIDEO SIGNAL ROUTE (C'Site)
VC(C'Site) : VIDEO SIGNAL ROUTE VC(C'Site)
S(Y) : VIDEO SIGNAL ROUTE S(Y)
S(C) : AUDIO SIGNAL ROUTE S(C)
VCS(Y) : AUDIO SIGNAL ROUTE VCS(Y)
VCS(C) : AUDIO SIGNAL ROUTE VCS(C)
C(Y) : AUDIO SIGNAL ROUTE C(Y)
C(Cb) : AUDIO SIGNAL ROUTE C(Cb)
C(Cr) : AUDIO SIGNAL ROUTE C(Cr)
VC(Y) : AUDIO SIGNAL ROUTE VC(Y)
VC(Cb) : AUDIO SIGNAL ROUTE VC(Cb)
VC(Cr) : AUDIO SIGNAL ROUTE VC(Cr)
Filter Select
FSEL1 FSEL0 fc(Hz)
L L 8.2M
L H 15M
H L 32M
H H Bypass
VINSEL2
L:CVBS or Y/C H:Y/Pb/Pr
V+5A
IC601 FMS6403MTC
VSS VSS 0dB_SEL Pr/ROUT Pb/BOUT Y/GOUT IN2_SEL SYNC_IN VCC VCC
FSEL1 FSEL0 Pr2/R2 Pr1/R1 Pb2/B2 Pb1/B1 Y2/G2 Y1/G1 RGB_SEL EXT_SYNC
AG 1/2
PR
C/PB
CVBS/Y
C601 0.1
C602 100/16
GNDA
C611 0.1
C607 0.1
C606 0.1
C605 0.1
C604 0.1
C603 0.1
C(Cr)
C(Cb)
S(C)
C(Y)
(C'Site)
S(Y)
L:CVBS H:Y
VINSEL1
IC602 MM1503XN
C610 1
C609 1
C608 0.1
GNDA
FRONT SIDE
CN1002
CKS4668
CVBS IN
GNDA
CVBS OUT
GNDA
SY IN
GNDA
SC IN
GNDA
SY OUT
GNDA
SC OUT
GNDA
Y IN
GNDA
Cb IN
GNDA
Cr IN
GNDA
Y OUT
GNDA
Cb OUT
GNDA
Cr OUT
GNDA
N CN4310
V+5A
IC801 MM1623BF
C801 100/16
C802 0.1
C803 STBY
Vcc1 C in MUTE1 V in YC MIX Y in GND1 BIAS I/P CY in CLP Cb in MUTE2 Cr in
Vcc2 DC out C out S1 S2 V out GND2 Y out CY out GND2 Cb out GND2 Cr out GND2
C804 0.1
C805 1
C806 1
C811 100/16
C807 0.1
C808 1
C809 0.1
C810 0.1
STBY R801
R802 10k
R811 75(F)
R812 75(F)
R813 75(F)
R814 75(F)
R815 75(F)
R816 75(F)
VC(C'Site)
VCS(Y)
VCS(C)
VC(Y)
VC(Cb)
VC(Cr)
R1003 0
R1004 0
GNDD
GNDA
REAR SIDE
AG 2/2

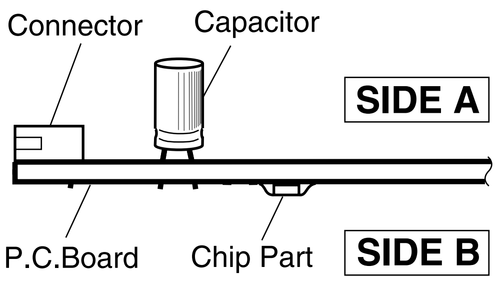
4. PCB CONNECTION DIAGRAM

NOTE FOR PCB DIAGRAMS :

1. Part numbers in PCB diagrams match those in the schematic diagrams.
2. A comparison between the main parts of PCB and schematic diagrams is shown below.

Symbol In PCB Diagrams	Symbol In Schematic Diagrams	Part Name
		Transistor
		Transistor with resistor
		Field effect transistor
		Resistor array
		3-terminal regulator

3. The parts mounted on this PCB include all necessary parts for several destinations.
   For further information for respective destinations, be sure to check with the schematic diagram.
4. View point of PCB diagrams.

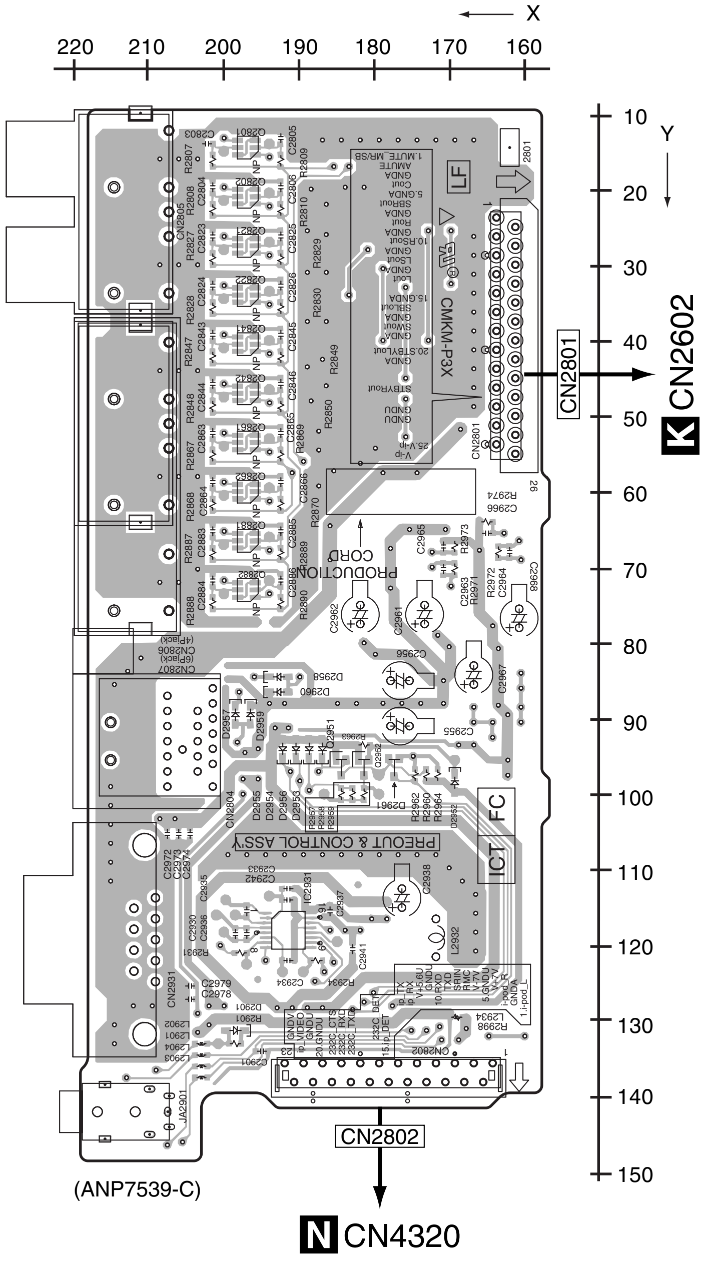

Connector
Capacitor
SIDE A
P.C.Board
Chip Part
SIDE B

4.1 PRIOUT&CONTROL ASSY

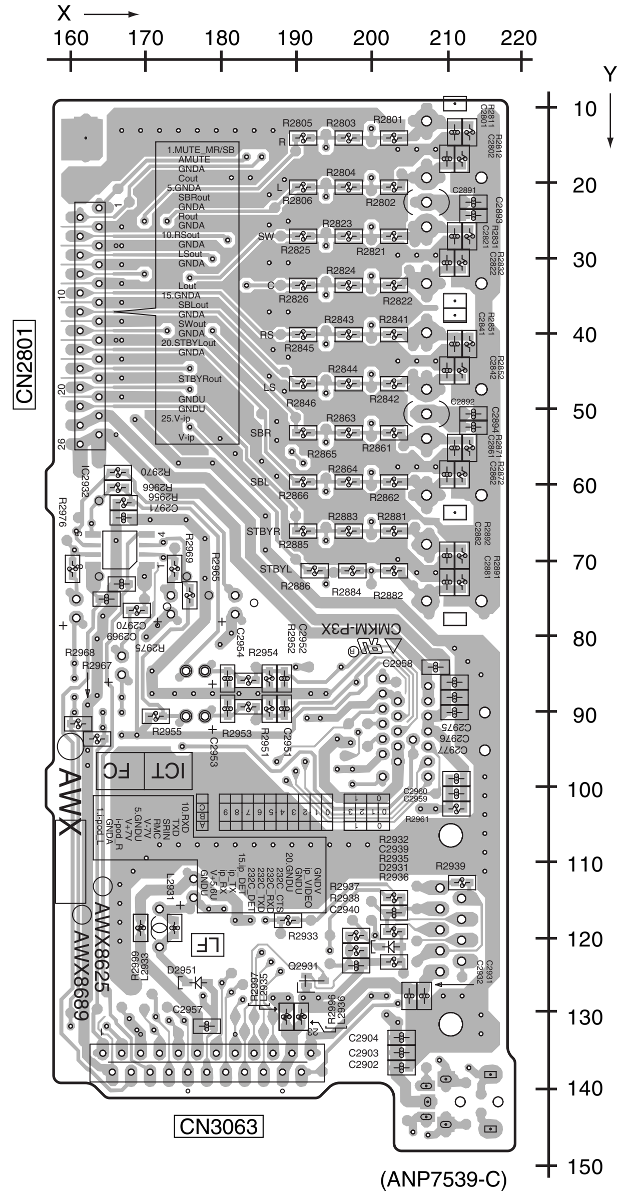
SIDE A

SIDE B

AE PRIOUT&CONTROL ASSY


X
220 210 200 190 180 170 160
Y
10 20 30 40 50 60 70 80 90 100 110 120 130 140 150
CN2801
K CN2602
CMKM-P3X
LF
PRODUCTION CORD
FC
ICT
PREOUT & CONTROL ASSY
CN2802
N CN4320
(ANP7539-C)
JA2901
CN2931
CN2804
CN2805
CN2806 (6Pjack)
CN2807 (4Pjack)
IC2931

AE PRIOUT&CONTROL ASSY

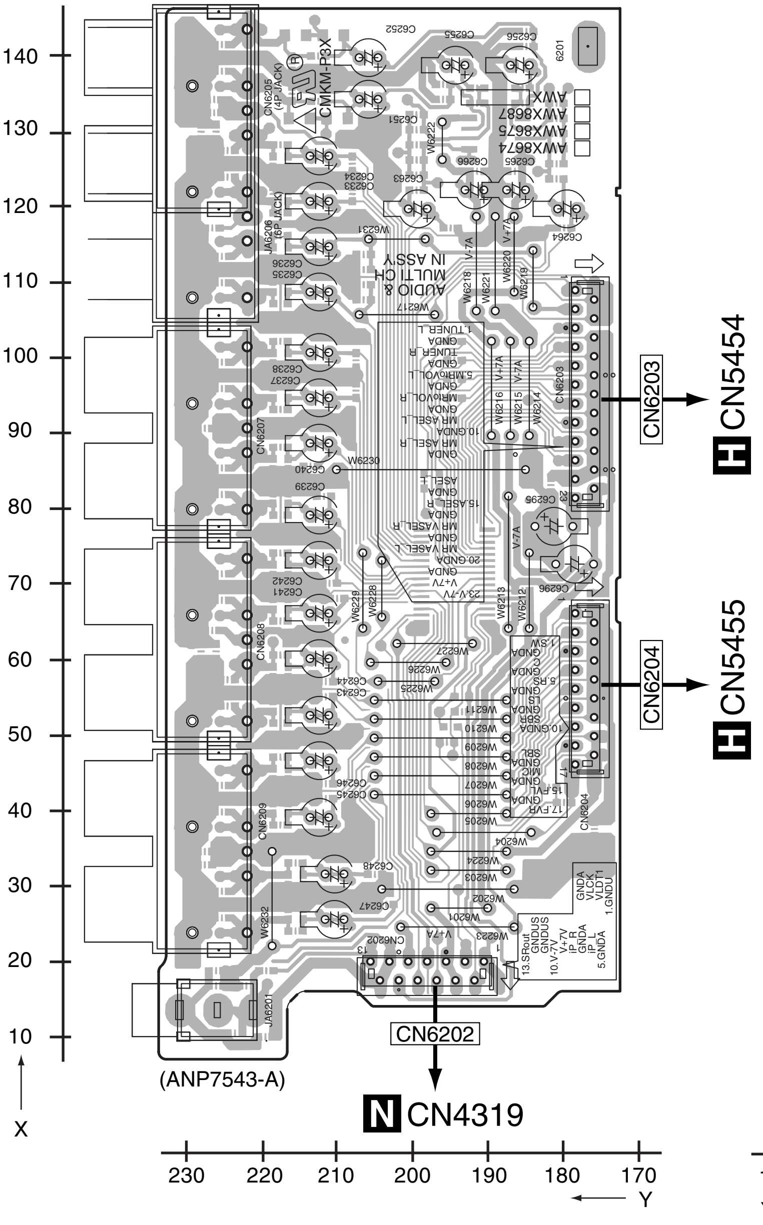

X
160 170 180 190 200 210 220
Y
10 20 30 40 50 60 70 80 90 100 110 120 130 140 150
CN2801
CMKM-P3X
AWX
AWX8625
AWX8689
ICT
FC
LF
CN3063
(ANP7539-C)
R
L
SW
C
RS
LS
SBR
SBL
STBYR
STBYL

4.2 AUDIO&MULTI CH IN ASSY

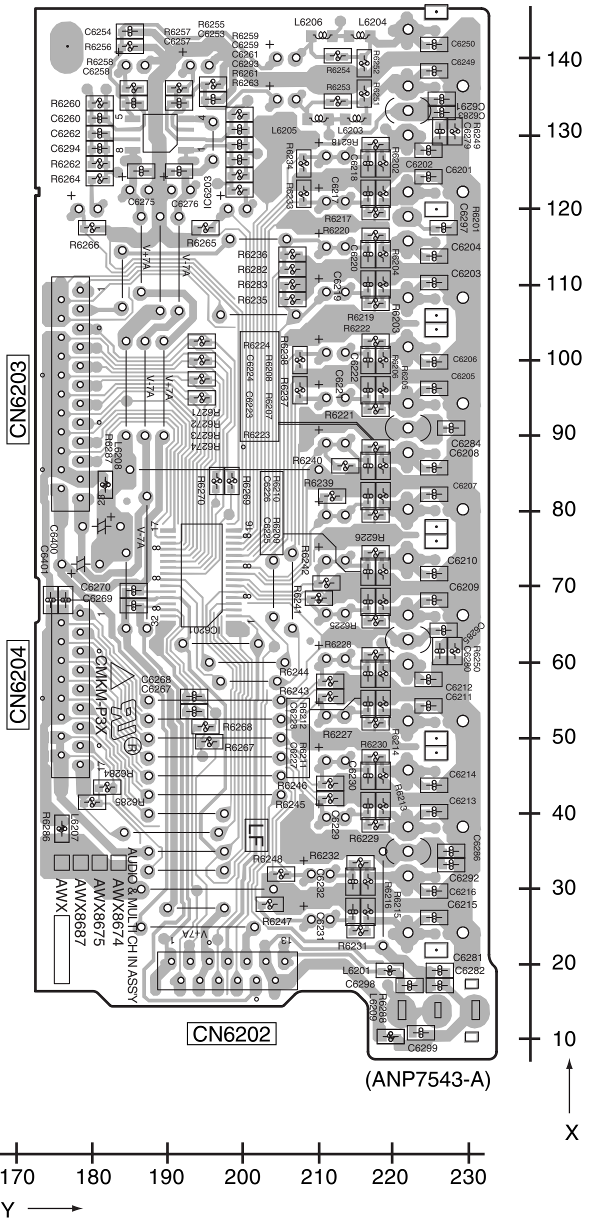
SIDE A

SIDE B

A AUDIO&MULTI CH IN ASSY


CN6203
H CN5454
CN6204
H CN5455
CN6202
N CN4319
(ANP7543-A)
AUDIO & MULTI CH IN ASSY
CMKM-P3X
AWX
AWX8687
AWX8675
AWX8674
140
130
120
110
100
90
80
70
60
50
40
30
20
10
X
230
220
210
200
190
180
170
Y

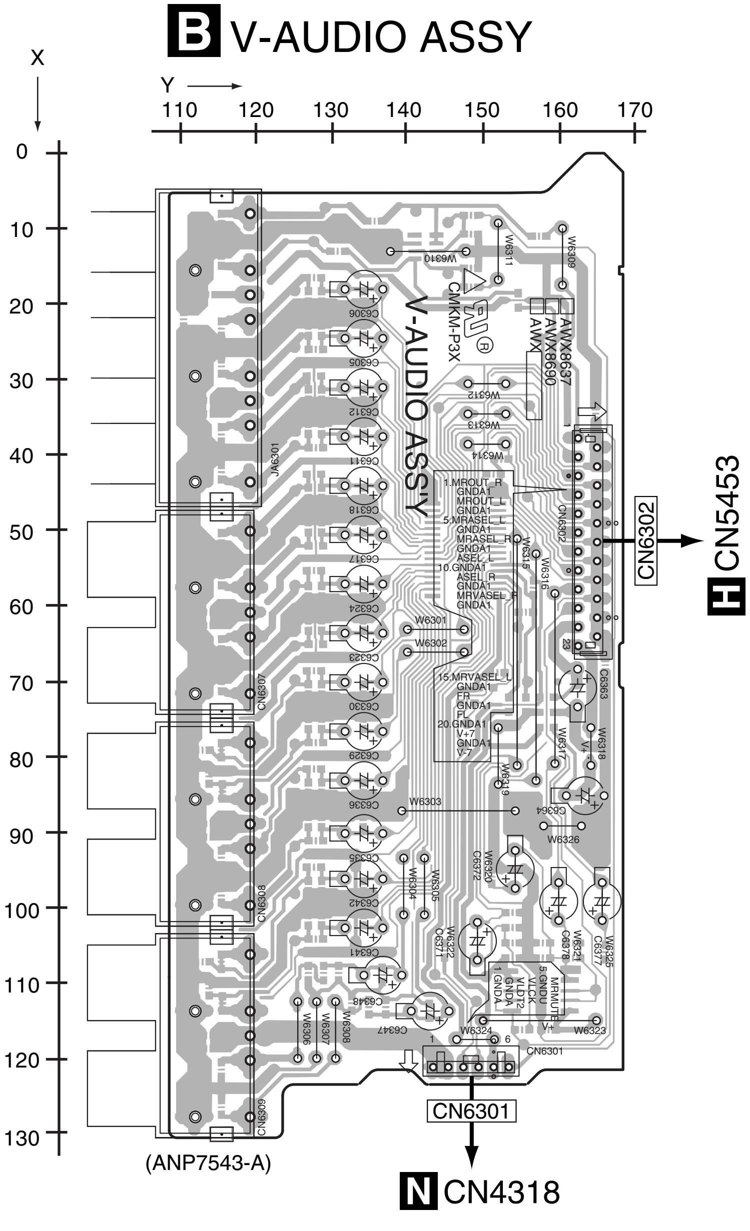
A AUDIO&MULTI CH IN ASSY

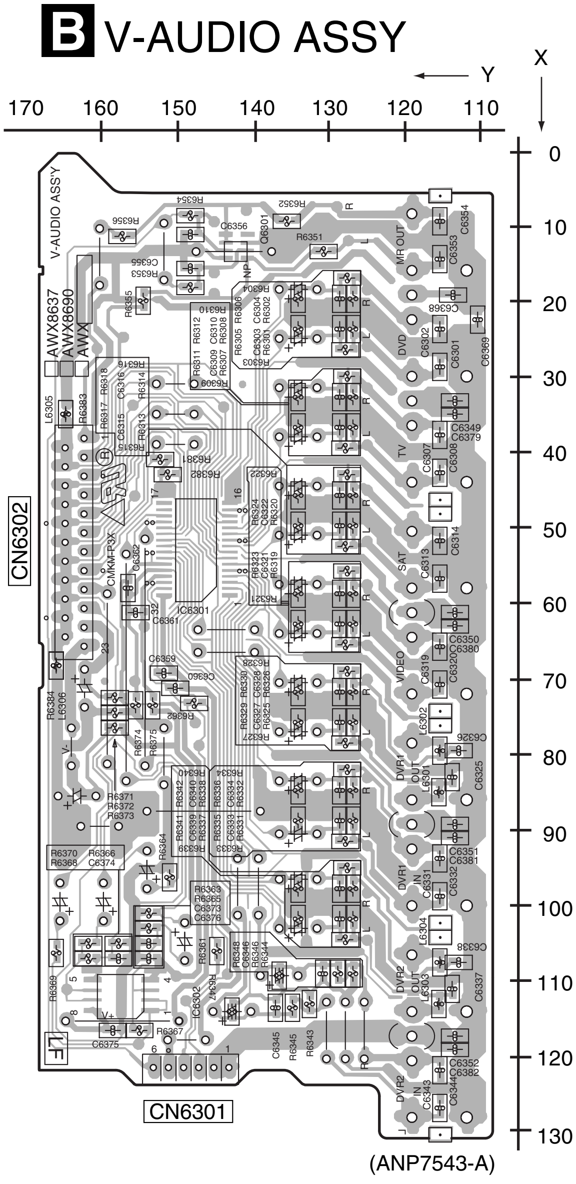

CN6203
CN6204
CN6202
(ANP7543-A)
AUDIO&MULTI CH IN ASSY
CMKM-P3X
AWX8674
AWX8675
AWX8687
AWX
IC6201
IC6203
140
130
120
110
100
90
80
70
60
50
40
30
20
10
X
170
180
190
200
210
220
230
Y

4.3 V-AUDIO ASSY

SIDE A

SIDE B

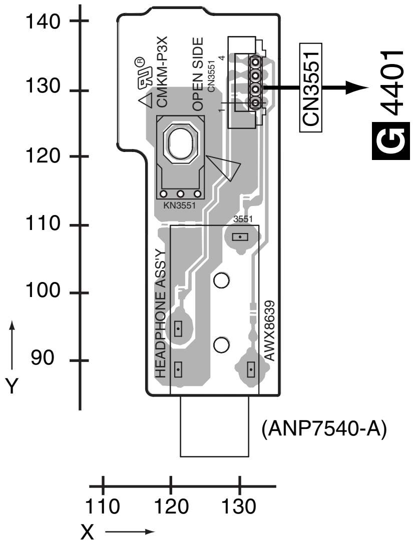

B V-AUDIO ASSY
X
Y
110
120
130
140
150
160
170
0
10
20
30
40
50
60
70
80
90
100
110
120
130
V-AUDIO ASS'Y
CMKM-P3X
AWX8637
AWX8690
AWX
JA6301
CN6307
CN6308
CN6309
CN6302
CN6301
1.MROUT_R
GNDA1
MROUT_L
GNDA1
5.MRASEL_L
GNDA1
MRASEL_R
GNDA1
ASEL_L
10.GNDA1
ASEL_R
GNDA1
MRVASEL_R
GNDA1
15.MRVASEL_L
GNDA1
FR
GNDA1
FL
20.GNDA1
V+7
GNDA1
V-7
23
CN6302
H CN5453
CN6301
N CN4318
(ANP7543-A)


B V-AUDIO ASSY
Y
X
170
160
150
140
130
120
110
0
10
20
30
40
50
60
70
80
90
100
110
120
130
V-AUDIO ASS'Y
AWX8637
AWX8690
AWX
CMKM-P3X
IC6301
IC6302
MR OUT
DVD
TV
SAT
VIDEO
DVR1 OUT
DVR1 IN
DVR2 OUT
DVR2 IN
CN6302
CN6301
(ANP7543-A)

4.4 HEAD PHONE and FRONT-IN ASSYS

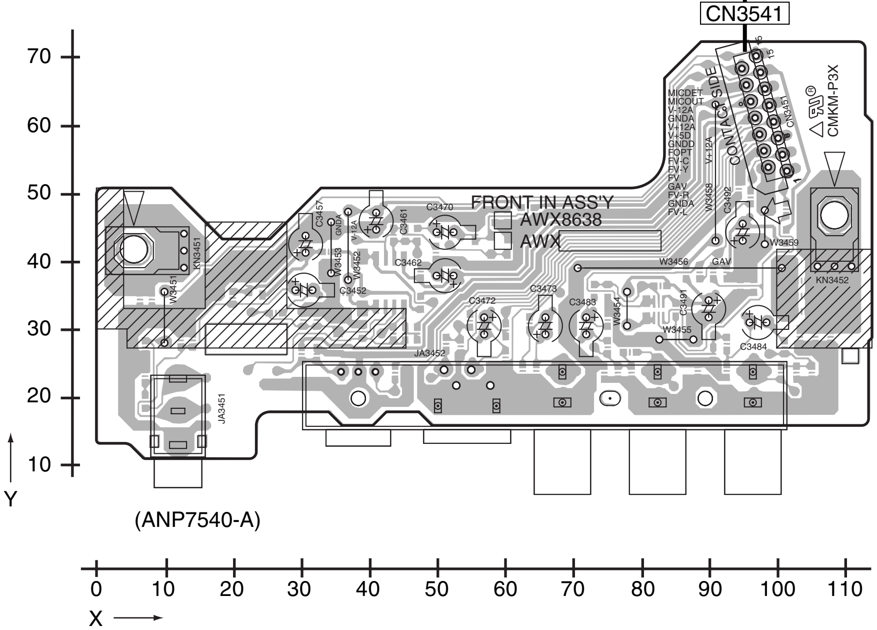
SIDE A **SIDE A**

D HEAD PHONE ASSY


CN3551
G 4401
CMKM-P3X
OPEN SIDE
KN3551
HEADPHONE ASS'Y
AWX8639
140
130
120
110
100
90
Y
110
120
130
X

(ANP7540-A)

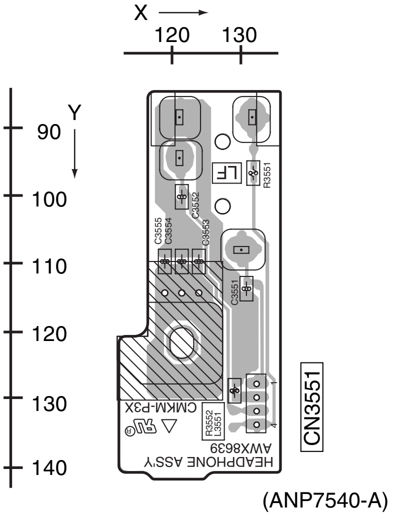
C FRONT-IN ASSY


N CN4301
CN3541
FRONT IN ASS'Y
AWX8638
AWX
CONTACT SIDE
CMKM-P3X
MICDET
MICOUT
V-12A
GNDA
V+12A
V+5D
GNDD
FOPT
FV-C
FV-Y
FV
GAV
FV-R
GNDA
FV-L
KN3451
KN3452
JA3451
JA3452
C3470
C3461
C3462
C3472
C3473
C3483
C3491
C3484
C3452
C3457
C3492
W3451
W3453
W3452
W3454
W3455
W3456
W3458
W3459
70
60
50
40
30
20
10
Y
0
10
20
30
40
50
60
70
80
90
100
110
X

(ANP7540-A)

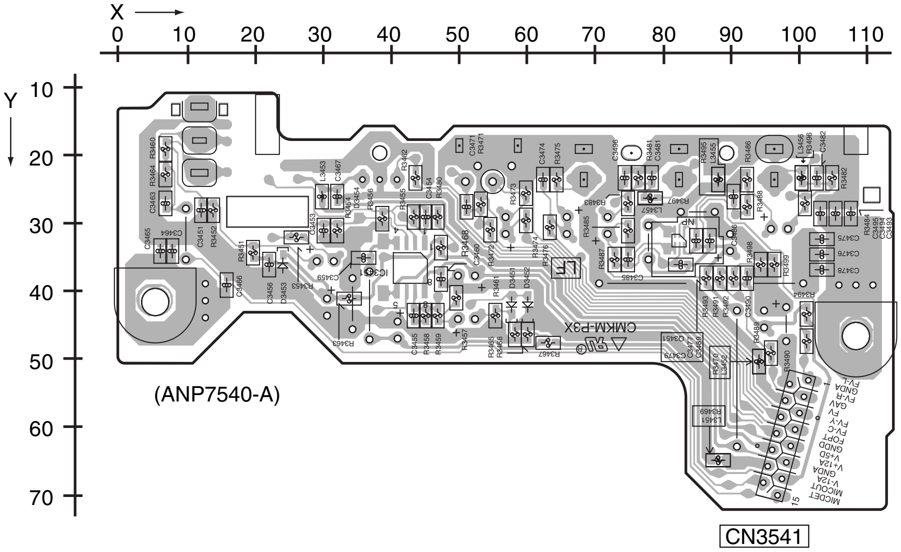
SIDE B **SIDE B**

D HEAD PHONE ASSY


X
120
130
Y
90
100
110
120
130
140
CN3551
HEADPHONE ASS'Y
AWX8639
CMKM-P3X
R3551
C3555
C3554
C3552
C3553
C3551
R3552
L3551
LF

(ANP7540-A)

C FRONT-IN ASSY


X
0
10
20
30
40
50
60
70
80
90
100
110
Y
10
20
30
40
50
60
70
CMKM-P3X
CN3541
MICDET
MICOUT
V-12A
GNDA
V+12A
V+5D
GNDD
FOPT
FV-C
FV-Y
FV
GAV
FV-R
GNDA
FV-L
LF
NP
IC3451

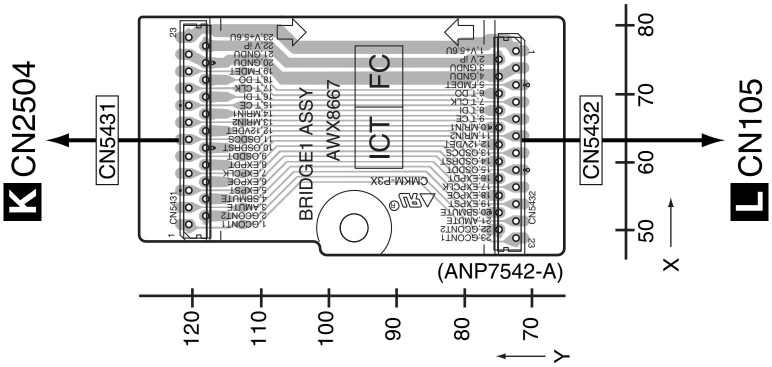
(ANP7540-A)

C D **C D**

4.5 BRIDGE1 and BRIDGE2 ASSYS

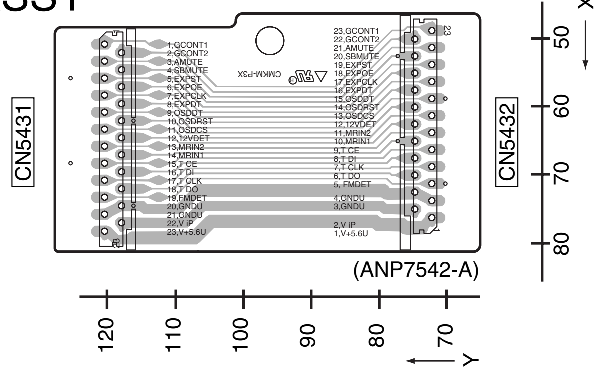
SIDE A **SIDE A**

E BRIDGE1 ASSY


K CN2504
CN5431
CN5432
L CN105
BRIDGE1 ASSY
AWX8667
ICT
FC
CMKM-P3X
1,V+5.6U
2,V iP
3,GNDU
4,GNDU
5,FMDET
6,T DO
7,T CLK
8,T DI
9,T CE
10,MRIN1
11,MRIN2
12,12VDET
13,OSDCS
14,OSDRST
15,OSDDT
16,EXPDT
17,EXPCLK
18,EXPOE
19,EXPST
20,SBMUTE
21,AMUTE
22,GCONT2
23,GCONT1
(ANP7542-A)
80
70
60
50
X
120
110
100
90
80
70
Y

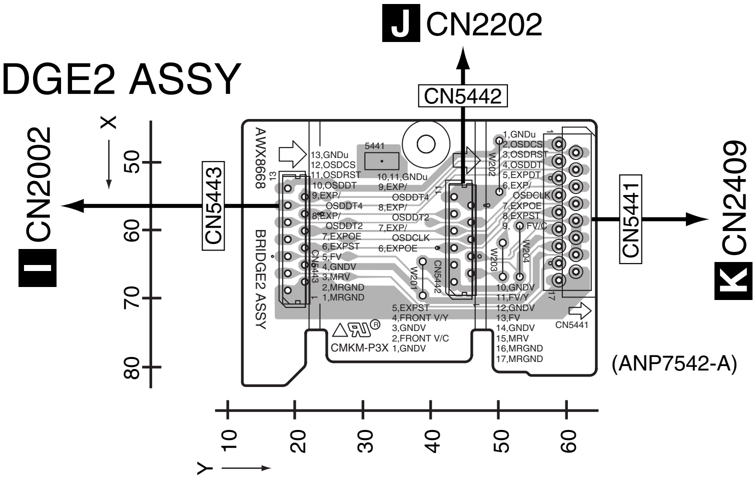
SIDE B **SIDE B**

E BRIDGE1 ASSY


CN5431
CN5432
1,GCONT1
2,GCONT2
3,AMUTE
4,SBMUTE
5,EXPST
6,EXPOE
7,EXPCLK
8,EXPDT
9,OSDDT
10,OSDRST
11,OSDCS
12,12VDET
13,MRIN2
14,MRIN1
15,T CE
16,T DI
17,T CLK
18,T DO
19,FMDET
20,GNDU
21,GNDU
22,V iP
23,V+5.6U
23,GCONT1
22,GCONT2
21,AMUTE
20,SBMUTE
19,EXPST
18,EXPOE
17,EXPCLK
16,EXPDT
15,OSDDT
14,OSDRST
13,OSDCS
12,12VDET
11,MRIN2
10,MRIN1
9,T CE
8,T DI
7,T CLK
6,T DO
5, FMDET
4,GNDU
3,GNDU
2,V iP
1,V+5.6U
CMKM-P3X
(ANP7542-A)
50
60
70
80
X
120
110
100
90
80
70
Y

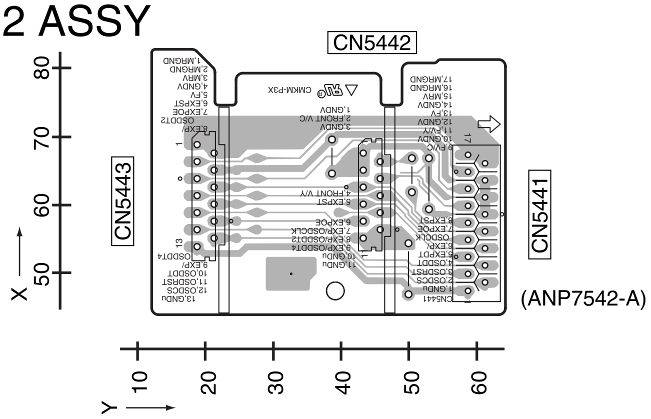
SIDE A **SIDE A**

E BRIDGE2 ASSY


J CN2202
CN5442
I CN2002
CN5443
CN5441
K CN2409
AWX8668
BRIDGE2 ASSY
5441
13,GNDu
12,OSDCS
11,OSDRST
10,OSDDT
9,EXP/
OSDDT4
8,EXP/
OSDDT2
7,EXPOE
6,EXPST
5,FV
4,GNDV
3,MRV
2,MRGND
1,MRGND
10,11,GNDu
9,EXP/
OSDDT4
8,EXP/
OSDDT2
7,EXP/
OSDCLK
6,EXPOE
5,EXPST
4,FRONT V/Y
3,GNDV
2,FRONT V/C
1,GNDV
1,GNDu
2,OSDCS
3,OSDRST
4,OSDDT
5,EXPDT
6,EXP/
OSDCLK
7,EXPOE
8,EXPST
9, FV/C
10,GNDV
11,FV/Y
12,GNDV
13,FV
14,GNDV
15,MRV
16,MRGND
17,MRGND
W201
W202
W203
W204
CMKM-P3X
(ANP7542-A)
X
50
60
70
80
10
20
30
40
50
60
Y

SIDE B **SIDE B**

E BRIDGE2 ASSY

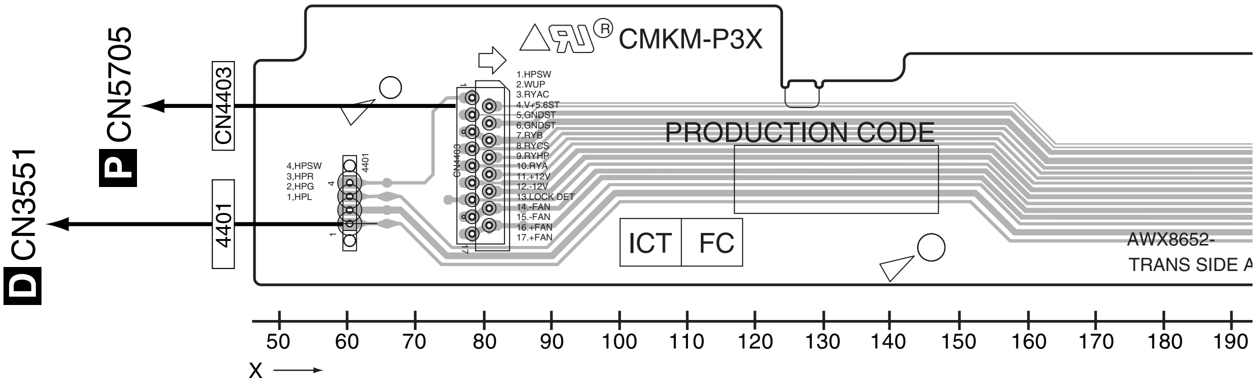

CN5442
CN5443
CN5441
CMKM-P3X
(ANP7542-A)
80
70
60
50
X
10
20
30
40
50
60
Y

E F **E F**

4.6 TRANS SIDE and BRIDGE3 ASSYs

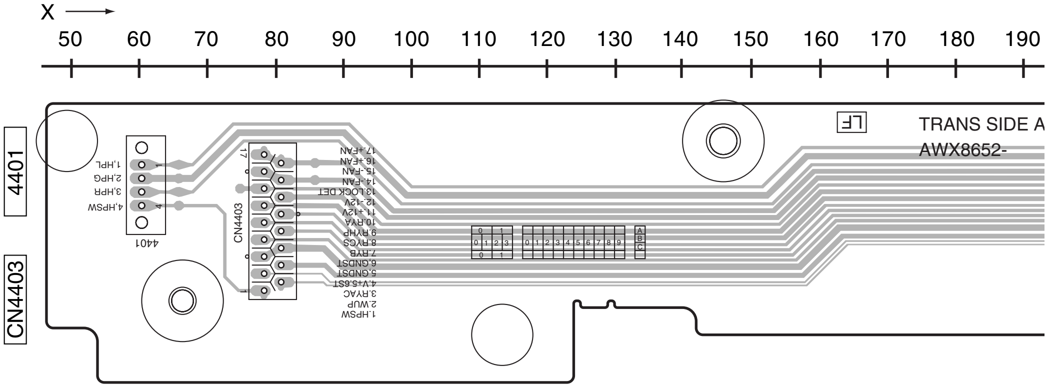
SIDE A

G TRANS SIDE ASSY


CMKM-P3X
PRODUCTION CODE
ICT
FC
AWX8652-
TRANS SIDE A
CN4403
P CN5705
4401
D CN3551
1.HPSW
2.WUP
3.RYAC
4.V+5.6ST
5.GNDST
6.GNDST
7.RYB
8.RYCS
9.RYHP
10.RYA
11.+12V
12.-12V
13.LOCK DET
14.-FAN
15.-FAN
16.+FAN
17.+FAN
4.HPSW
3.HPR
2.HPG
1.HPL
50 60 70 80 90 100 110 120 130 140 150 160 170 180 190
X

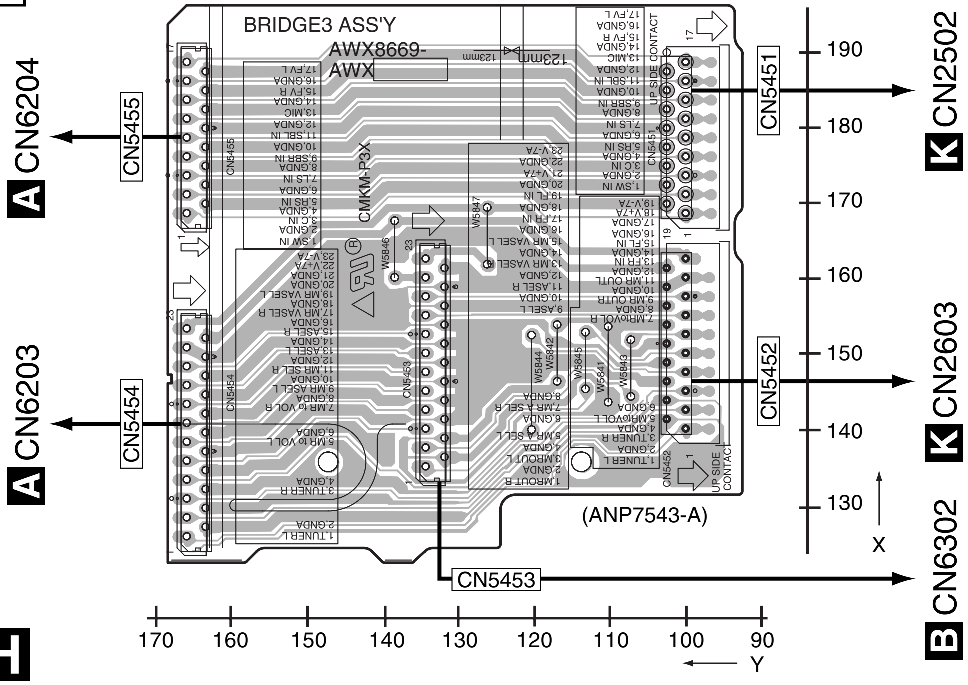
SIDE B

G TRANS SIDE ASSY


X
50 60 70 80 90 100 110 120 130 140 150 160 170 180 190
TRANS SIDE A
AWX8652-
4401
CN4403

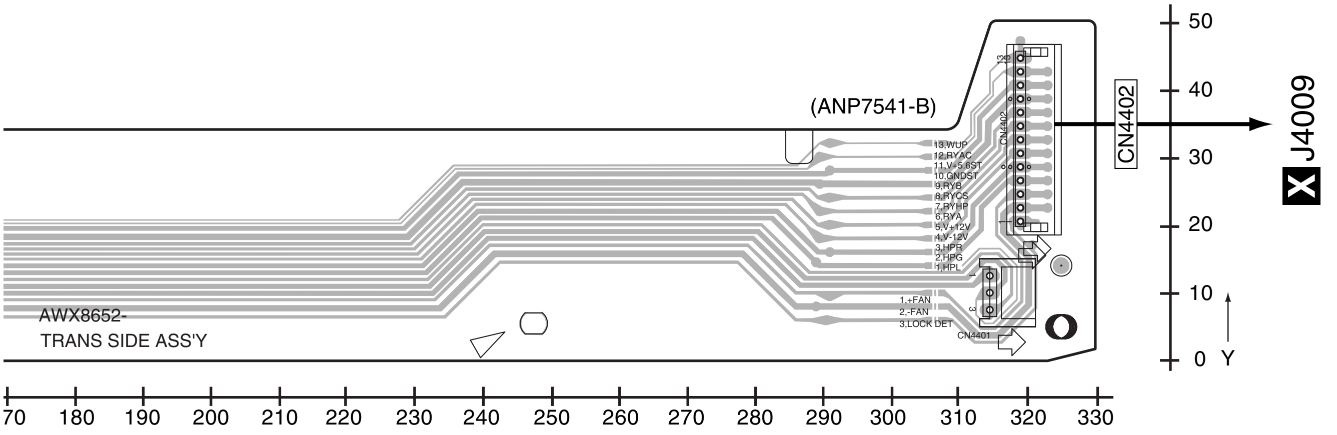
SIDE A

H BRIDGE3 ASSY

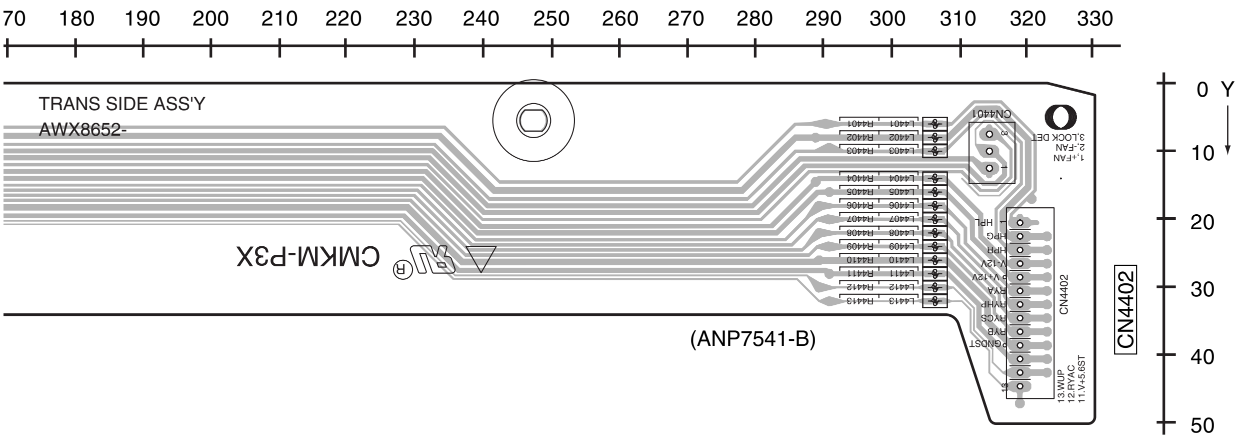

BRIDGE3 ASS'Y
AWX8669-
AWX
123mm
CMKM-P3X
UP SIDE CONTACT
(ANP7543-A)
CN5455
A CN6204
CN5454
A CN6203
CN5451
K CN2502
CN5452
K CN2603
CN5453
B CN6302
190 180 170 160 150 140 130
X
170 160 150 140 130 120 110 100 90
Y

G H

SIDE A

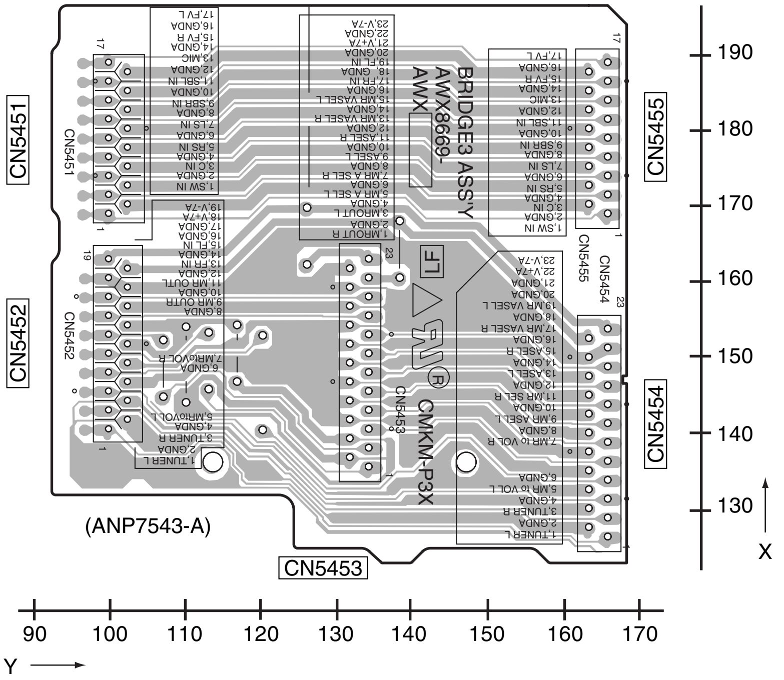

(ANP7541-B)
AWX8652-
TRANS SIDE ASS'Y
CN4402
13,WUP
12,RYAC
11,V+5.6ST
10,GNDST
9,RYB
8,RYCS
7,RYHP
6,RYA
5,V+12V
4,V-12V
3,HPR
2,HPG
1,HPL
1,+FAN
2,-FAN
3,LOCK DET
CN4401
X J4009
50
40
30
20
10
0 Y
170
180
190
200
210
220
230
240
250
260
270
280
290
300
310
320
330

SIDE B


TRANS SIDE ASS'Y
AWX8652-
CMKM-P3X
(ANP7541-B)
CN4401
3,LOCK DET
2,-FAN
1,+FAN
L4401 R4401
L4402 R4402
L4403 R4403
L4404 R4404
L4405 R4405
L4406 R4406
L4407 R4407
L4408 R4408
L4409 R4409
L4410 R4410
L4411 R4411
L4412 R4412
L4413 R4413
CN4402
HPL
HPG
HPR
V-12V
V+12V
RYA
RYHP
RYCS
RYB
GNDST
13,WUP
12,RYAC
11,V+5.6ST
170
180
190
200
210
220
230
240
250
260
270
280
290
300
310
320
330
0 Y
10
20
30
40
50

H BRIDGE3 ASSY

SIDE B

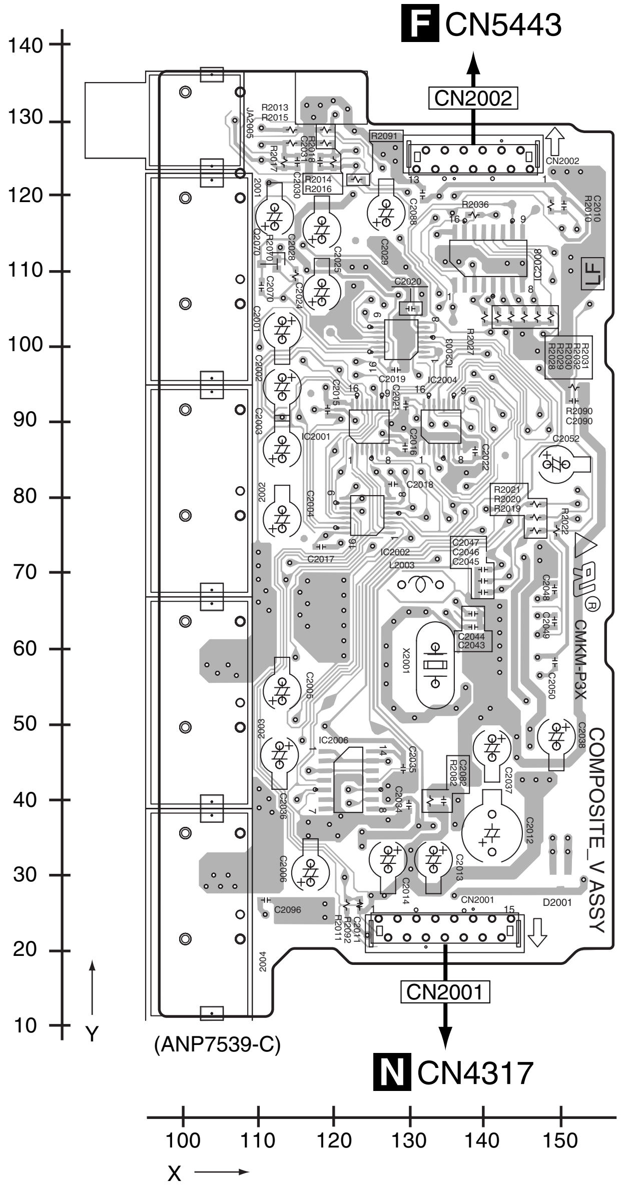

CN5451
CN5452
CN5453
CN5454
CN5455
(ANP7543-A)
BRIDGE3 ASS'Y
AWX8669-
AWX
CMKM-P3X
LF
17,FV L
16,GNDA
15,FV R
14,GNDA
13,MIC
12,GNDA
11,SBL IN
10,GNDA
9,SBR IN
8,GNDA
7,LS IN
6,GNDA
5,RS IN
4,GNDA
3,C IN
2,GNDA
1,SW IN
19,V-7A
18,V+7A
17,GNDA
16,GNDA
15,FL IN
14,GNDA
13,FR IN
12,GNDA
11,MR OUTL
10,GNDA
9,MR OUTR
8,GNDA
7,MRtoVOL R
6,GNDA
5,MRtoVOL L
4,GNDA
3,TUNER R
2,GNDA
1,TUNER L
23,V-7A
22,GNDA
21,V+7A
20,GNDA
19,FL IN
18, GNDA
17,FR IN
16,GNDA
15,MR VASEL L
14,GNDA
13,MR VASEL R
12,GNDA
11,ASEL R
10,GNDA
9,ASEL L
8,GNDA
7,MR A SEL R
6,GNDA
5,MR A SEL L
4,GNDA
3,MROUT L
2,GNDA
1,MROUT R
23,V-7A
22,V+7A
21,GNDA
20,GNDA
19,MR VASEL L
18,GNDA
17,MR VASEL R
16,GNDA
15,ASEL R
14,GNDA
13,ASEL L
12,GNDA
11,MR SEL R
10,GNDA
9,MR ASEL L
8,GNDA
7,MR to VOL R
6,GNDA
5,MR to VOL L
4,GNDA
3,TUNER R
2,GNDA
1,TUNER L
190
180
170
160
150
140
130
X
90
100
110
120
130
140
150
160
170
Y

4.7 COMPOSITE V ASSYS

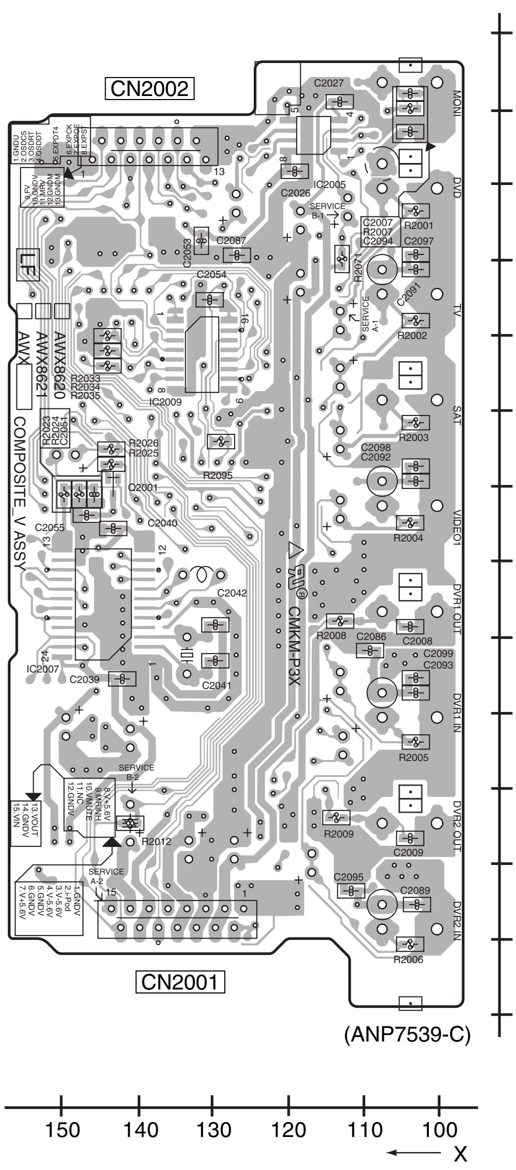
SIDE A

SIDE B

I COMPOSITE V ASSY


F CN5443
CN2002
CN2001
N CN4317
COMPOSITE_V ASSY
CMKM-P3X
LF
IC2001
IC2002
IC2004
IC2006
X2001
L2003
D2001
(ANP7539-C)
140
130
120
110
100
90
80
70
60
50
40
30
20
10
Y
100
110
120
130
140
150
X

I COMPOSITE V ASSY

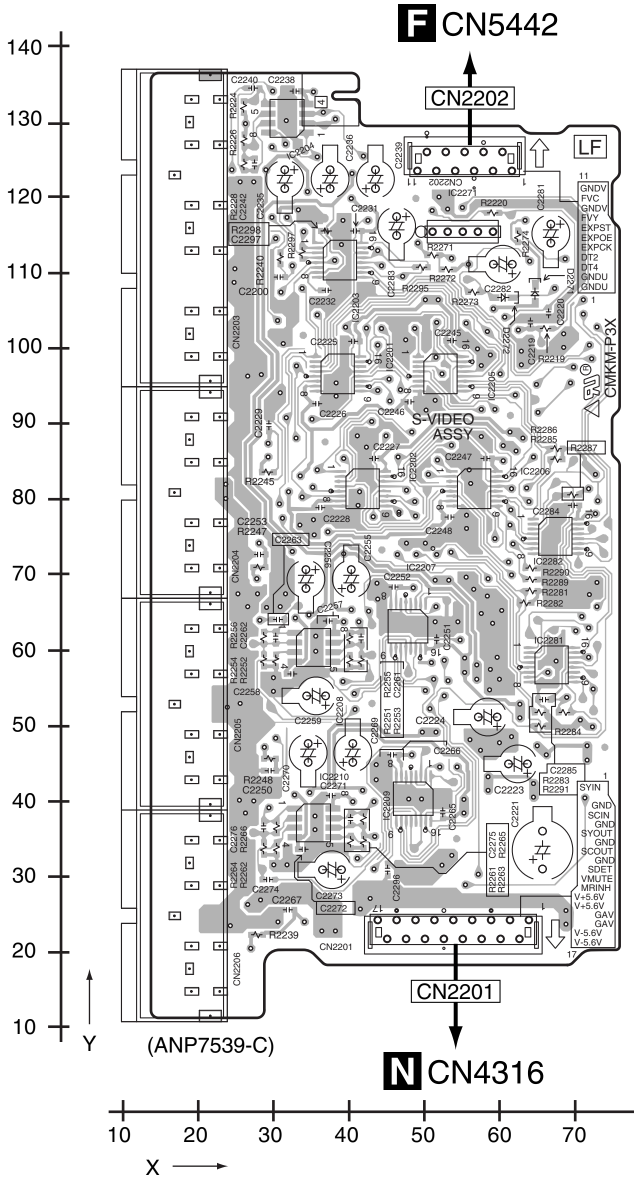

CN2002
CN2001
COMPOSITE_V ASSY
CMKM-P3X
AWX8620
AWX8621
AWX
LF
IC2005
IC2007
IC2009
Q2001
MONI
DVD
TV
SAT
VIDEO1
DVR1 OUT
DVR1 IN
DVR2 OUT
DVR2 IN
SERVICE
(ANP7539-C)
140
130
120
110
100
90
80
70
60
50
40
30
20
10
Y
150
140
130
120
110
100
X

4.8 S-VIDEO ASSY

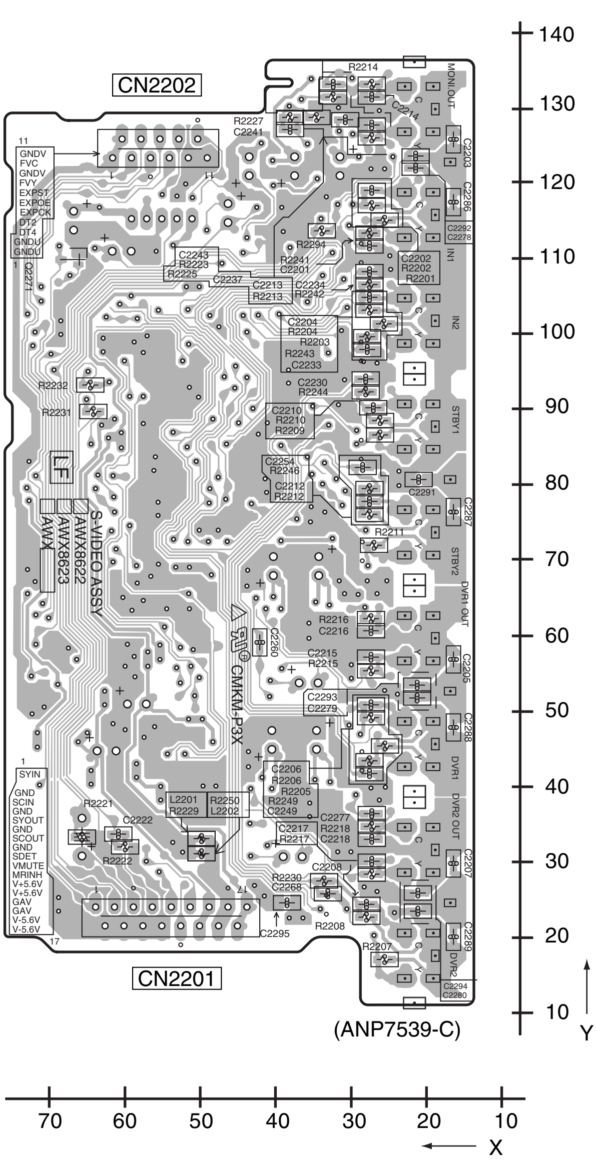
SIDE A

SIDE B

J S-VIDEO ASSY

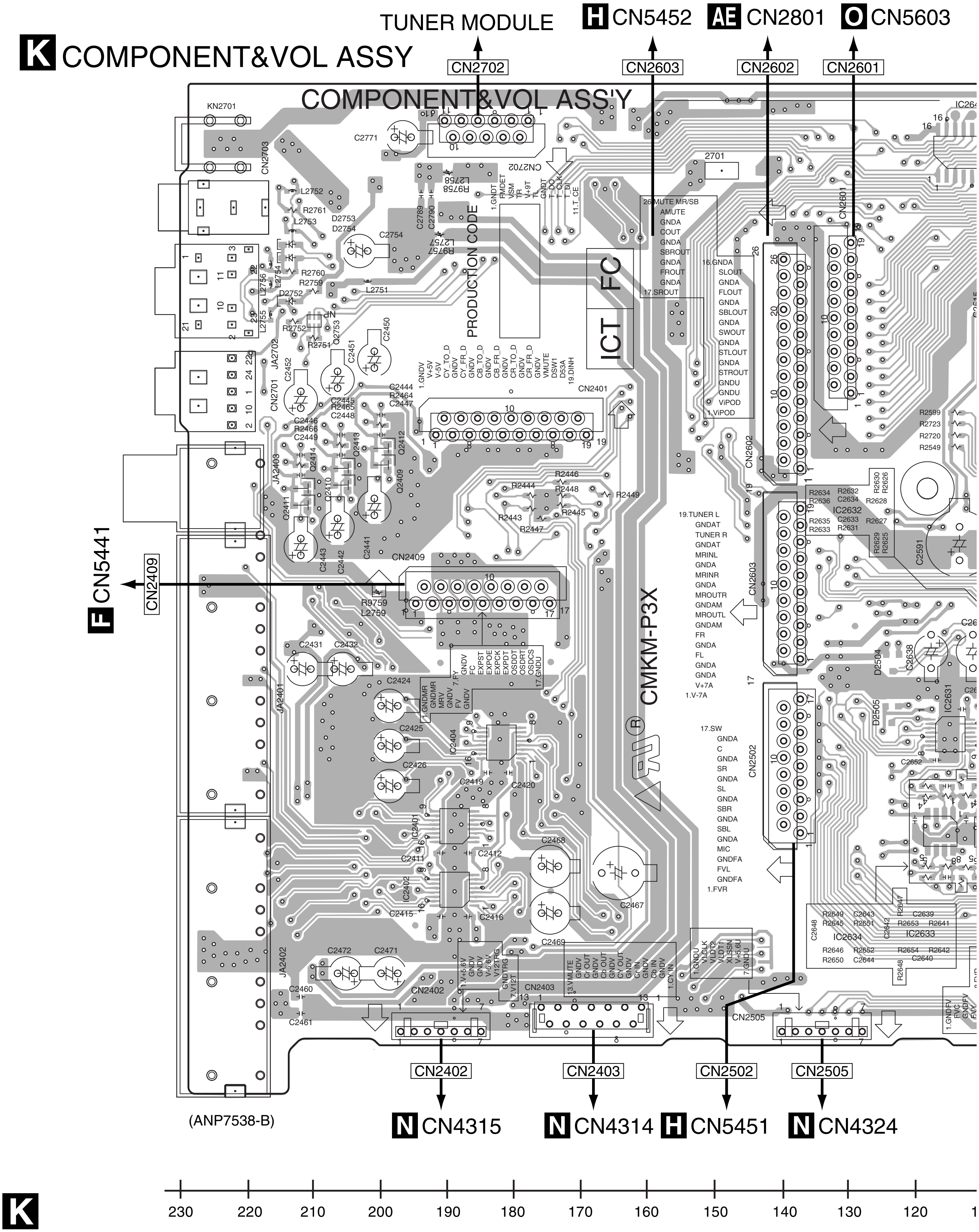

F CN5442
CN2202
LF
CN2201
N CN4316
(ANP7539-C)
S-VIDEO ASSY
CMKM-P3X
11
GNDV
FVC
GNDV
FVY
EXPST
EXPOE
EXPCK
DT2
DT4
GNDU
GNDU
1
SYIN
GND
SCIN
GND
SYOUT
GND
SCOUT
GND
SDET
VMUTE
MRINH
V+5.6V
V+5.6V
GAV
GAV
V-5.6V
V-5.6V
17
CN2203
CN2204
CN2205
CN2206
IC2201
IC2202
IC2203
IC2204
IC2205
IC2206
IC2207
IC2210
IC2281
IC2282
140
130
120
110
100
90
80
70
60
50
40
30
20
10
Y
10
20
30
40
50
60
70
X

J S-VIDEO ASSY

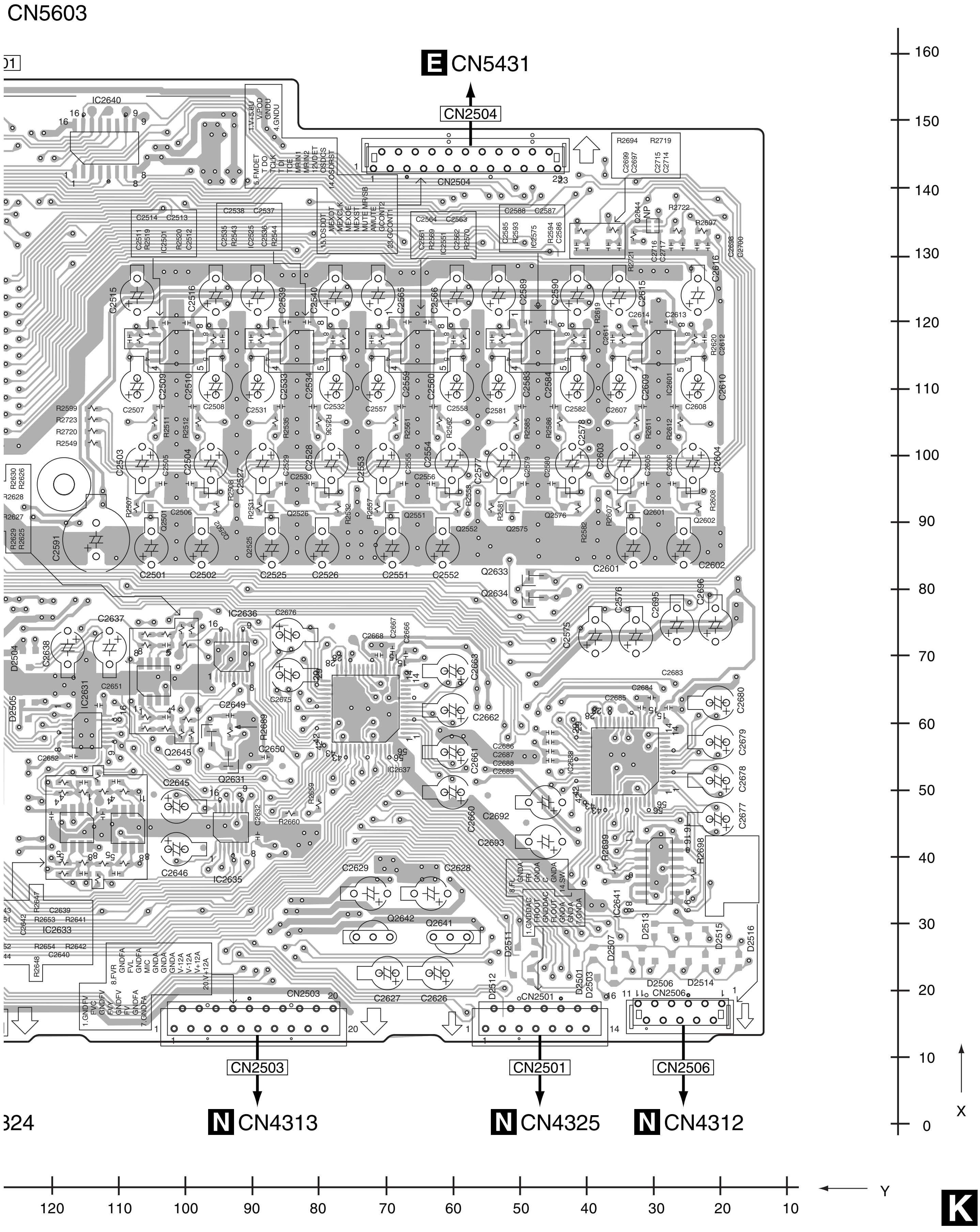

CN2202
11
GNDV
FVC
GNDV
FVY
EXPST
EXPOE
EXPCK
DT2
DT4
GNDU
GNDU
1
LF
S-VIDEO ASSY
AWX8622
AWX8623
AWX
CMKM-P3X
MONI OUT
IN1
IN2
STBY1
STBY2
DVR1 OUT
DVR1
DVR2 OUT
DVR2
1
SYIN
GND
SCIN
GND
SYOUT
GND
SCOUT
GND
SDET
VMUTE
MRINH
V+5.6V
V+5.6V
GAV
GAV
V-5.6V
V-5.6V
17
CN2201
(ANP7539-C)
140
130
120
110
100
90
80
70
60
50
40
30
20
10
Y
70
60
50
40
30
20
10
X

4.9 COMPONENT&VOL ASSY

SIDE A


K COMPONENT&VOL ASSY
TUNER MODULE
CN2702
H CN5452
CN2603
AE CN2801
CN2602
O CN5603
CN2601
COMPONENT&VOL ASS'Y
F CN5441
CN2409
PRODUCTION CODE
FC
ICT
CMKM-P3X
CN2401
CN2409
CN2402
CN2403
CN2502
CN2505
N CN4315
N CN4314
H CN5451
N CN4324
(ANP7538-B)
230
220
210
200
190
180
170
160
150
140
130
120

SIDE A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IC2632
IC2633
IC2635
IC2641
C2591
C2501
C2502
C2525
C2526
C2551
C2552
C2601
C2602
Q2633
Q2634
Q2642
Q2641
Q2645
Q2631
C2627
C2626
C2629
C2628
CN2503
CN2501
CN2506
1.GNDFV FVC GNDFV FVX GNDFV FV GNDFA 7.GNDFA
8.FVR GNDFA FVL GNDFA MIC GNDA GNDA V-12A V-12A V+12A 20.V+12A
1.GNDDAC FROUT GNDDAC FLOUT GNDA GNDA 7.GNDA
8.FL GNDA FR GNDA C GNDA 14.SW
N CN4313
N CN4325
N CN4312
324
160
150
140
130
120
110
100
90
80
70
60
50
40
30
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Y
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90
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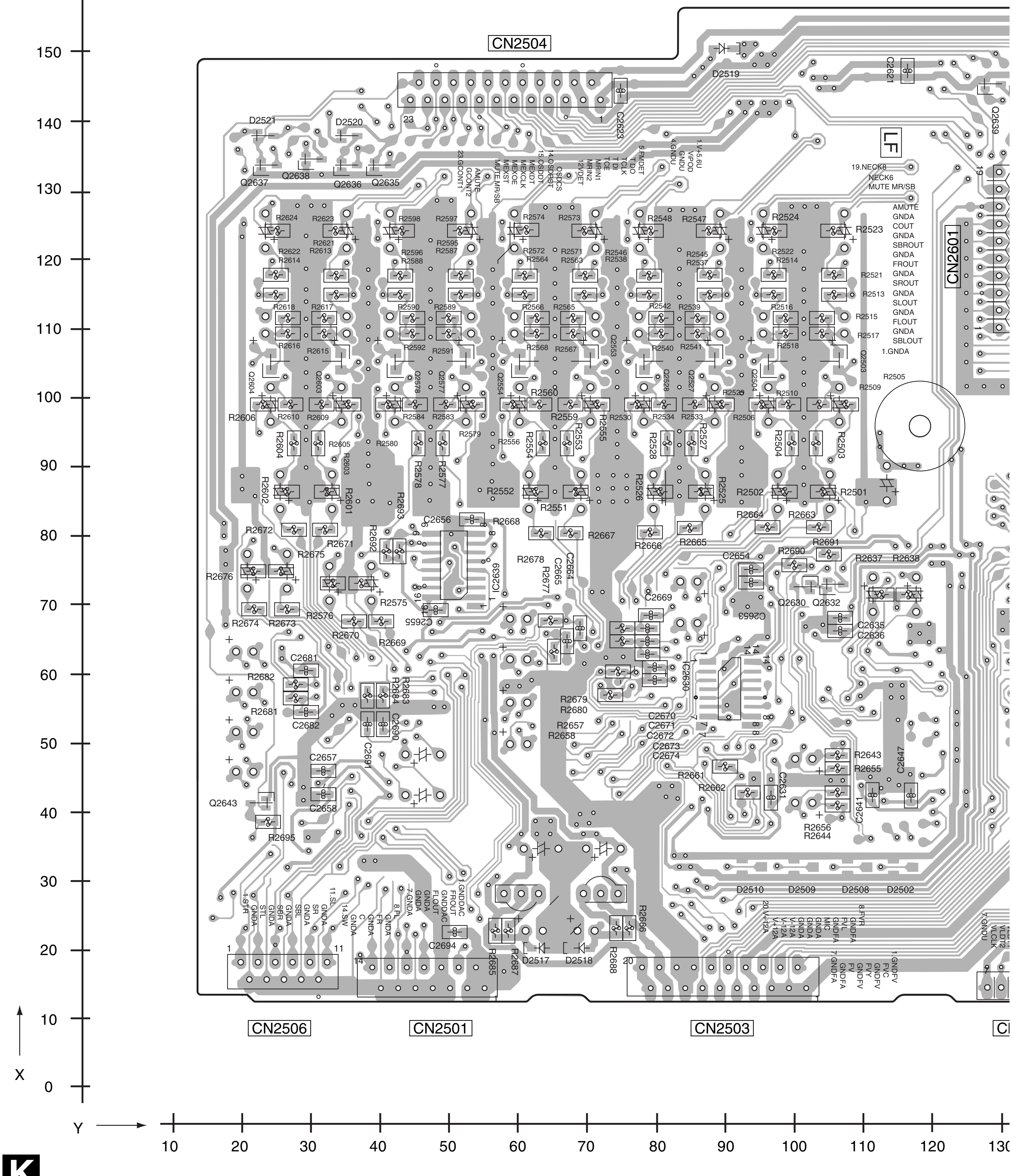
50
40
30
20
10

K COMPONENT&VOL ASSY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D
E
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10
0
X
Y
10
20
30
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100
110
120
130
CN2504
CN2601
CN2506
CN2501
CN2503
LF
D2519
C2621
Q2639
D2521
D2520
C2623
Q2637
Q2638
Q2636
Q2635
23.GCONT1
GCONT2
AMUTE
MUTE MR/SB
MEXST
MEXOE
MEXCLK
MEXDT
15.OSDDT
14.OSDRST
OSDCS
12V/DET
MRIN2
MRIN1
TCE
TDI
TCLK
TDO
5.FMDET
4.GNDU
GNDU
VIPOD
1.V+5.6U
19.NECK8
NECK6
MUTE MR/SB
AMUTE
GNDA
COUT
GNDA
SBROUT
GNDA
FROUT
GNDA
SROUT
GNDA
SLOUT
GNDA
FLOUT
GNDA
SBLOUT
1.GNDA
R2624
R2623
R2598
R2597
R2574
R2573
R2548
R2547
R2524
R2523
R2622
R2614
R2621
R2613
R2596
R2588
R2595
R2587
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R2564
R2571
R2563
R2546
R2538
R2545
R2537
R2522
R2514
R2521
R2513
R2618
R2617
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R2565
R2542
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R2568
R2567
R2540
R2541
R2518
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Q2603
Q2578
Q2577
Q2554
Q2553
Q2528
Q2527
Q2504
Q2503
R2505
R2509
R2606
R2610
R2609
R2584
R2583
R2560
R2559
R2555
R2530
R2534
R2533
R2529
R2506
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R2551
R2526
R2525
R2502
R2501
R2672
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R2667
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R2665
R2664
R2663
R2675
R2676
R2678
R2677
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C2664
IC2639
C2654
R2690
R2691
R2637
R2638
R2575
C2655
C2669
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Q2632
C2653
R2674
R2673
R2576
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R2669
C2635
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R2662
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C2658
Q2643
R2695
C2641
R2656
R2644
D2510
D2509
D2508
D2502
1.STR
GNDA
STL
GNDA
SBR
GNDA
SBL
GNDA
SR
11.SL
14.SW
C
GNDA
FR
GNDA
8.FL
7.GNDA
GNDA
FLOUT
FROUT
GNDDAC
1.GNDAC
R2686
20.V+12A
V+12A
V-12A
V-12A
GNDA
GNDA
GNDA
GNDA
MIC
GNDFA
FVL
GNDFA
FVL
7.GNDFA
8.FVR
GNDFA
GNDFV
FVY
GNDFV
FVC
1.GNDFV
7.GNDU
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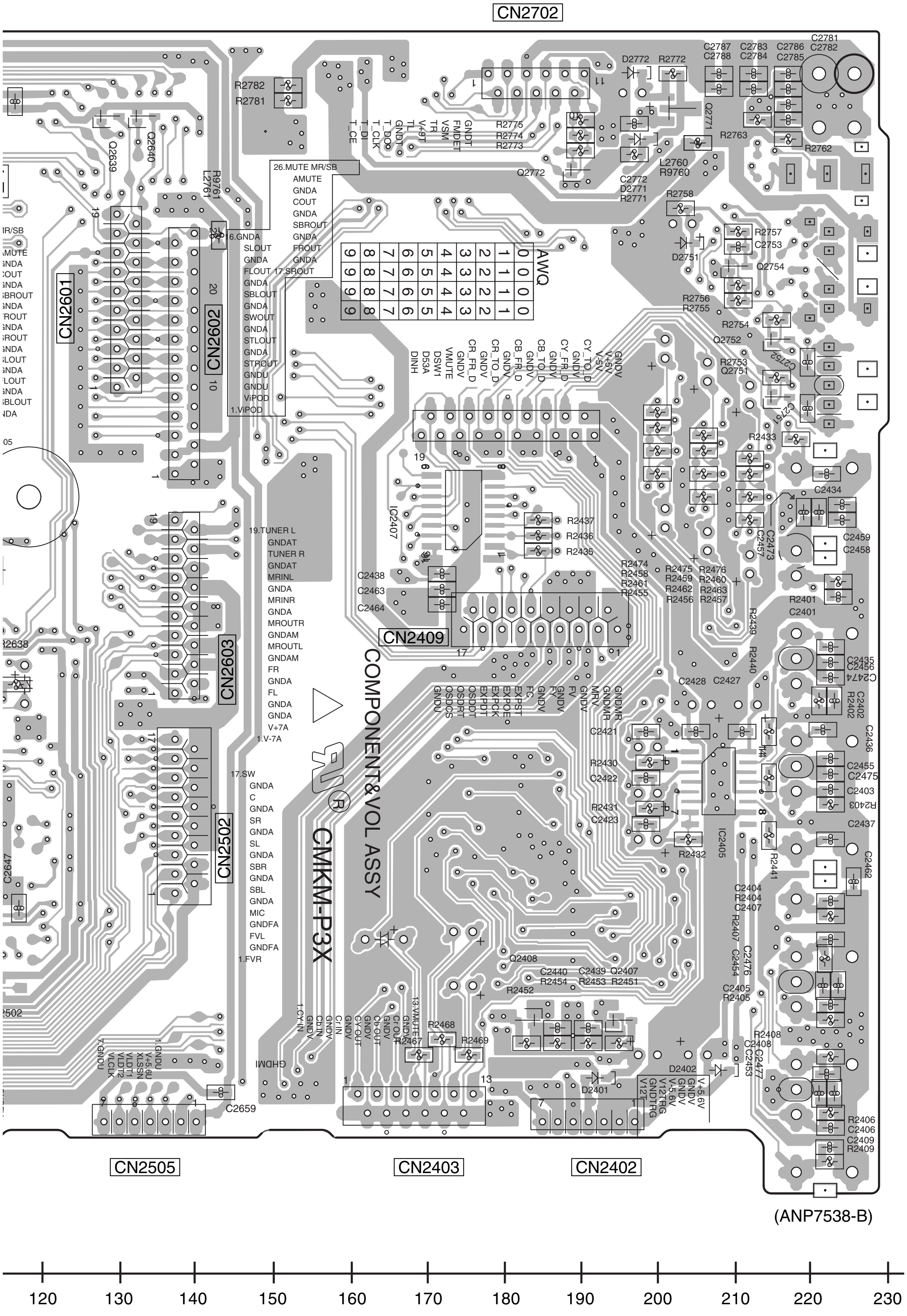
R2687
D2517
D2518
R2688
1
11
14
20
23
19

SIDE B

A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IC2407
IC2405
AWQ
COMPONENT&VOL ASSY
CMKM-P3X
(ANP7538-B)
26.MUTE MR/SB
AMUTE
GNDA
COUT
SBROUT
FROUT
16.GNDA
SLOUT
FLOUT 17.SROUT
SBLOUT
SWOUT
STLOUT
STROUT
GNDU
ViPOD
1.ViPOD
19.TUNER L
GNDAT
TUNER R
MRINL
MRINR
MROUTR
GNDAM
MROUTL
FR
FL
V+7A
1.V-7A
17.SW
C
SR
SL
SBR
SBL
MIC
GNDFA
FVL
1.FVR
T_CE
T_DI
T_CLK
T_DO
GNDT
TL
V+9T
TR
VSM
FMDET
GNDV
V+5V
CY_TO_D
CY_FR_D
CB_TO_D
CB_FR_D
CR_TO_D
CR_FR_D
VMUTE
DSW1
D53A
DINH
GNDMR
MRV
FV
FC
EXPST
EXPOE
EXPCK
EXPDT
OSDDT
OSDRT
OSDCS
OSDDS
13.VMUTE
Cr.OUT
Cb.OUT
CY.OUT
Cr.IN
Cb.IN
1.CY.IN
GHDMI
1.GNDU
V+5.6U
XLSSN
VLDT1
VLDT2
VLCLK
7.GNDU
V+5.6V
V-5.6V
V12TRG
GNDTRG
V12T
Q2639
Q2640
Q2771
Q2772
Q2754
Q2752
Q2751
Q2753
Q2408
Q2407
D2772
D2771
D2751
D2402
D2401
L2760
L2761
R9760
R9761
R2782
R2781
R2775
R2774
R2773
R2772
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R2763
R2762
R2758
R2757
R2756
R2755
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R2437
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R2474
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C2454
C2405
C2408
C2477
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C2440
C2439
C2406
C2409
C2647
C2659
2502
120
130
140
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230

B

C

D

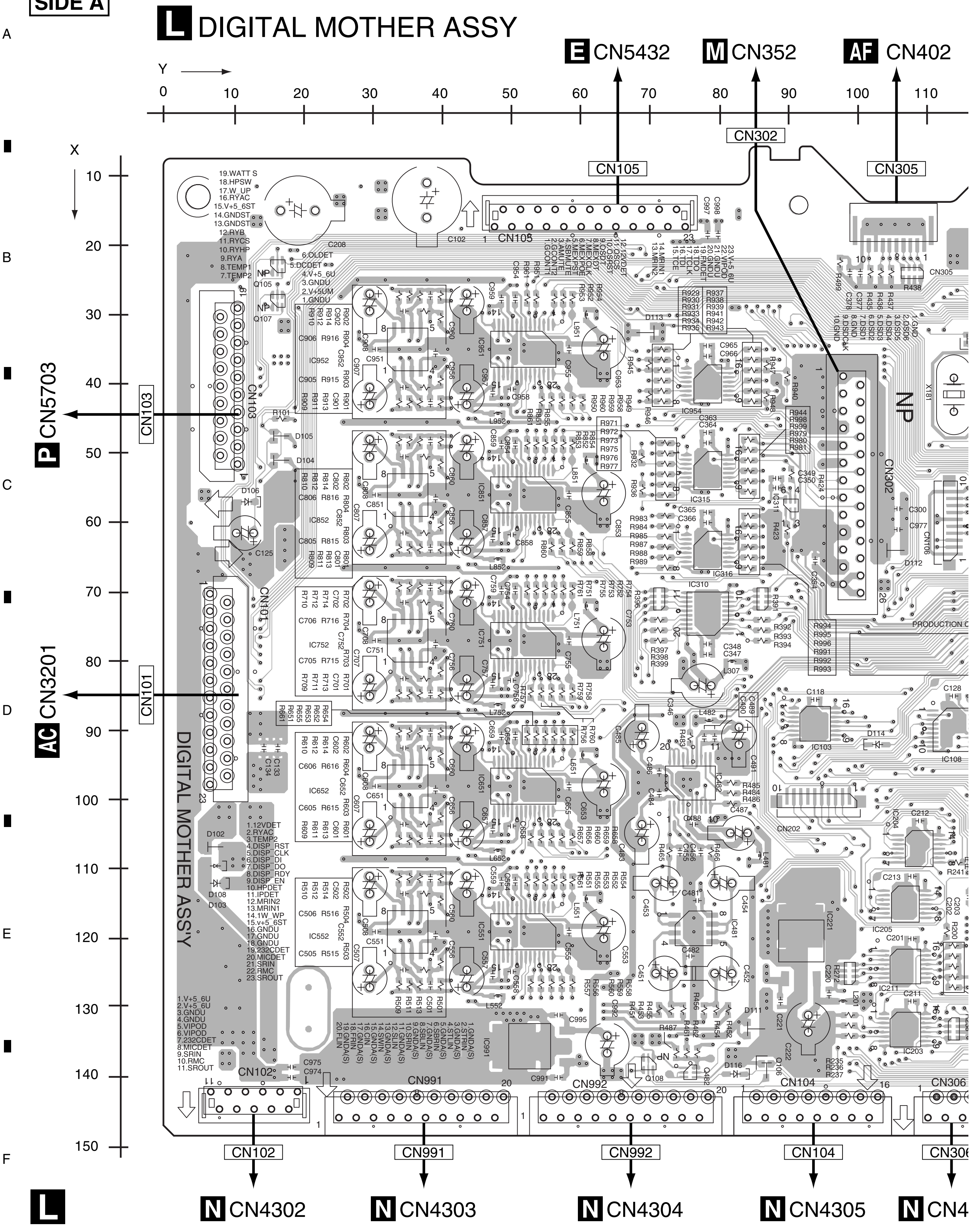
E

F

K

4.10 DIGITAL MOTHER ASSY

SIDE A


L DIGITAL MOTHER ASSY
E CN5432
M CN352
AF CN402
Y
X
CN105
CN302
CN305
P CN5703
CN103
AC CN3201
CN101
CN102
CN991
CN992
CN104
CN306
N CN4302
N CN4303
N CN4304
N CN4305
N CN4
DIGITAL MOTHER ASS'Y
NP
PRODUCTION C
19.WATT S
18.HPSW
17.W_UP
16.RYAC
15.V+5_6ST
14.GNDST
13.GNDST
12.RYB
11.RYCS
10.RYHP
9.RYA
8.TEMP1
7.TEMP2
6.OLDET
5.DCDET
4.V+5_6U
3.GNDU
2.V+5UM
1.GNDU
1.12VDET
2.RYAC
3.TEMP2
4.DISP_RST
5.DISP_CLK
6.DISP_DI
7.DISP_DO
8.DISP_RDY
9.DISP_EN
10.HPDET
11.IPDET
12.MRIN2
13.MRIN1
14.1W_WP
15.v+5_6ST
16.GNDU
17.GNDU
18.GNDU
19.232CDET
20.MICDET
21.SRIN
22.RMC
23.SROUT
1.V+5_6U
2.V+5_6U
3.GNDU
4.GNDU
5.VIPOD
6.VIPOD
7.232CDET
8.MICDET
9.SRIN
10.RMC
11.SROUT
1.GNDA(S)
2.GNDA(S)
3.SRIN
4.GNDA(S)
5.GNDA(S)
6.SBRIN
7.GNDA(S)
8.SBLIN
9.GNDA(S)
10.SRIN
11.GNDA(S)
12.SWIN
13.GNDA(S)
14.SWIN
15.GNDA(S)
16.CIN
17.GNDA(S)
18.FRIN
19.GNDA(S)
20.FLIN
1.GCONT1
2.GCONT2
3.AMUTE
4.SBMUTE
5.MEXPST
6.MEXPCE
7.MEXCLK
8.MEXDT
9.OSDT
10.OSDST
11.OSCS
12.VDET
13.MRIN2
14.MRIN1
15.TCE
16.TDI
17.TCLK
18.FMDET
19.GNDU
20.GNDU
21.GNDU
22.VIPOD
23.V+5_6U
1.GND
2.DSD6
3.DSD5
4.DSD4
5.DSD3
6.DSD2
7.DSD1
8.GND
9.DSDCK
10.GND
IC951
IC952
IC851
IC852
IC751
IC752
IC651
IC652
IC551
IC552
IC954
IC315
IC316
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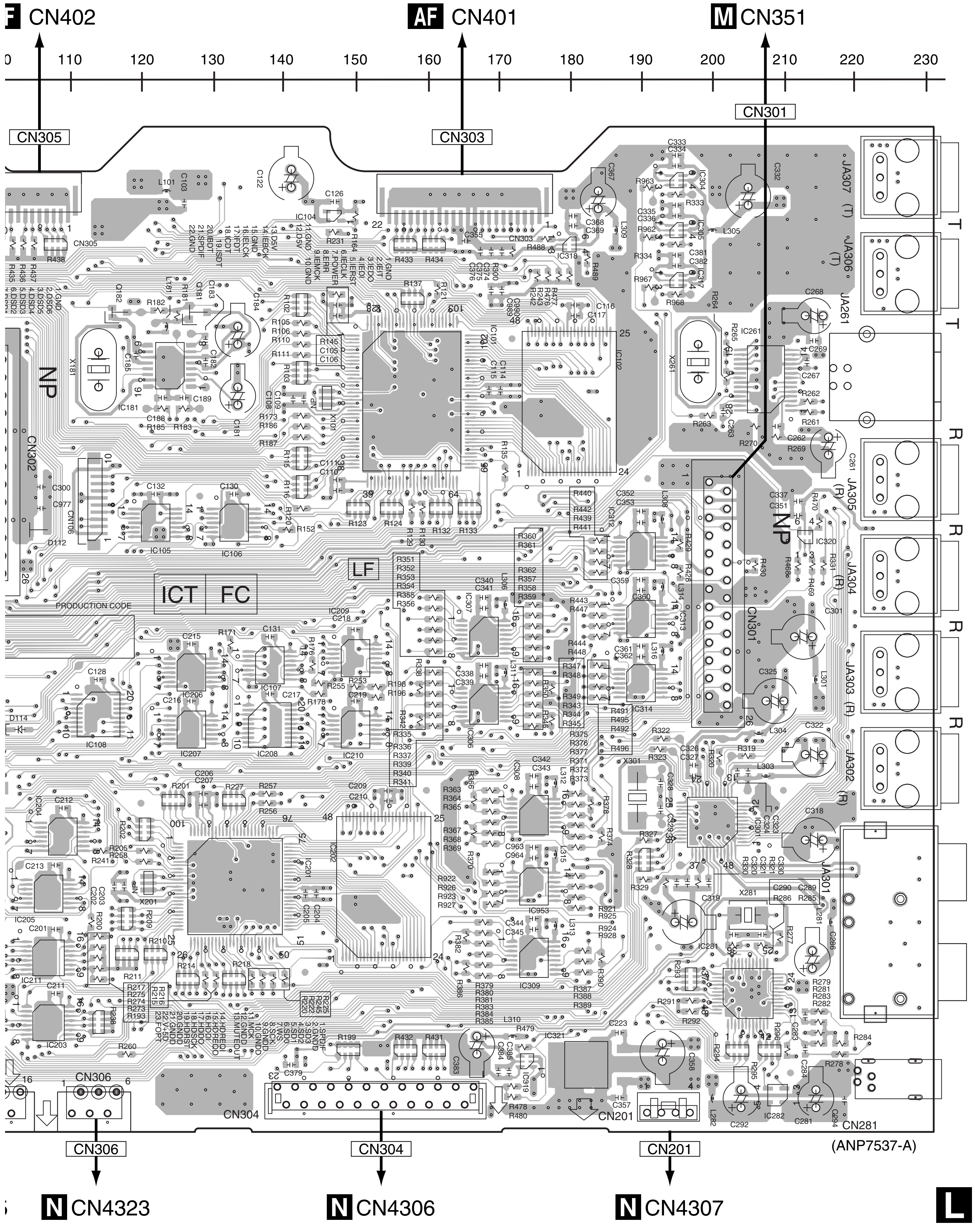
IC211
IC203
IC991
CN202
CN106

SIDE A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M CN351
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CN301
JA307 (T)
JA306 (T)
JA261
JA305 (R)
JA304 (R)
JA303 (R)
JA302 (R)
JA301
IC101
IC102
IC104
IC105
IC106
IC107
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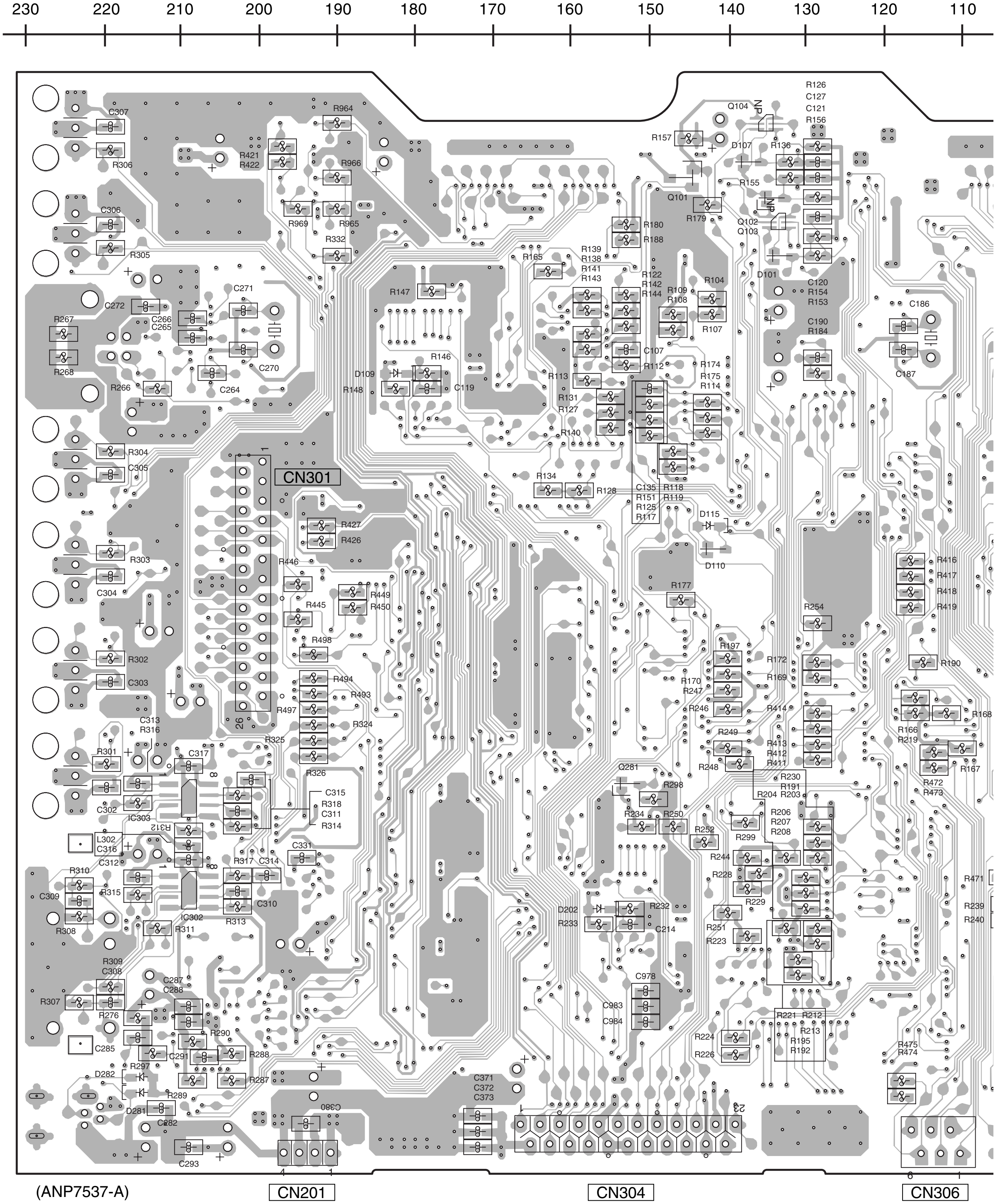
IC318
IC319
IC320
IC321
IC953
X101
X181
X201
X261
X281
X301
CN302
CN106
NP
ICT
FC
LF
PRODUCTION CODE
CN306
CN304
CN201
CN281
(ANP7537-A)
N CN4323
N CN4306
N CN4307

L

SIDE B

L DIGITAL MOTHER ASSY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120
110
C307
R306
C306
R305
R964
R421
R422
R966
R969
R965
R332
Q104
NP
R126
C127
C121
R156
R157
D107
R136
R155
Q101
R179
Q102
Q103
NP
R180
R188
R139
R138
R141
R143
R165
R122
R142
R144
D101
C120
R154
R153
R147
R109
R108
R104
R107
C186
C190
R184
C187
C271
C272
R267
C266
C265
C270
R268
C264
R266
D109
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R148
C119
R113
C107
R112
R174
R175
R114
R131
R127
R140
R304
C305
CN301
R134
R128
C135
R151
R125
R117
R118
R119
D115
D110
R427
R426
R303
C304
R446
R449
R450
R445
R177
R416
R417
R418
R419
R254
R498
R197
R172
R169
R190
R302
C303
R494
R493
R497
R170
R247
R246
R414
R166
R219
R168
C313
R316
R324
R249
R413
R412
R411
R167
R301
C317
R325
R326
R248
Q281
R230
R191
R203
R472
R473
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IC303
C315
R318
C311
R314
R298
R204
R206
R207
R208
R312
R234
R250
R252
R299
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C316
C312
C331
R317
C314
R244
R310
R315
R228
R229
R471
C309
C310
IC302
R313
D202
R233
R232
C214
R239
R240
R308
R311
R251
R223
R309
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C288
C978
R307
R276
C983
C984
R221
R212
R213
R195
R192
R290
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C371
C372
C373
R289
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C282
C293
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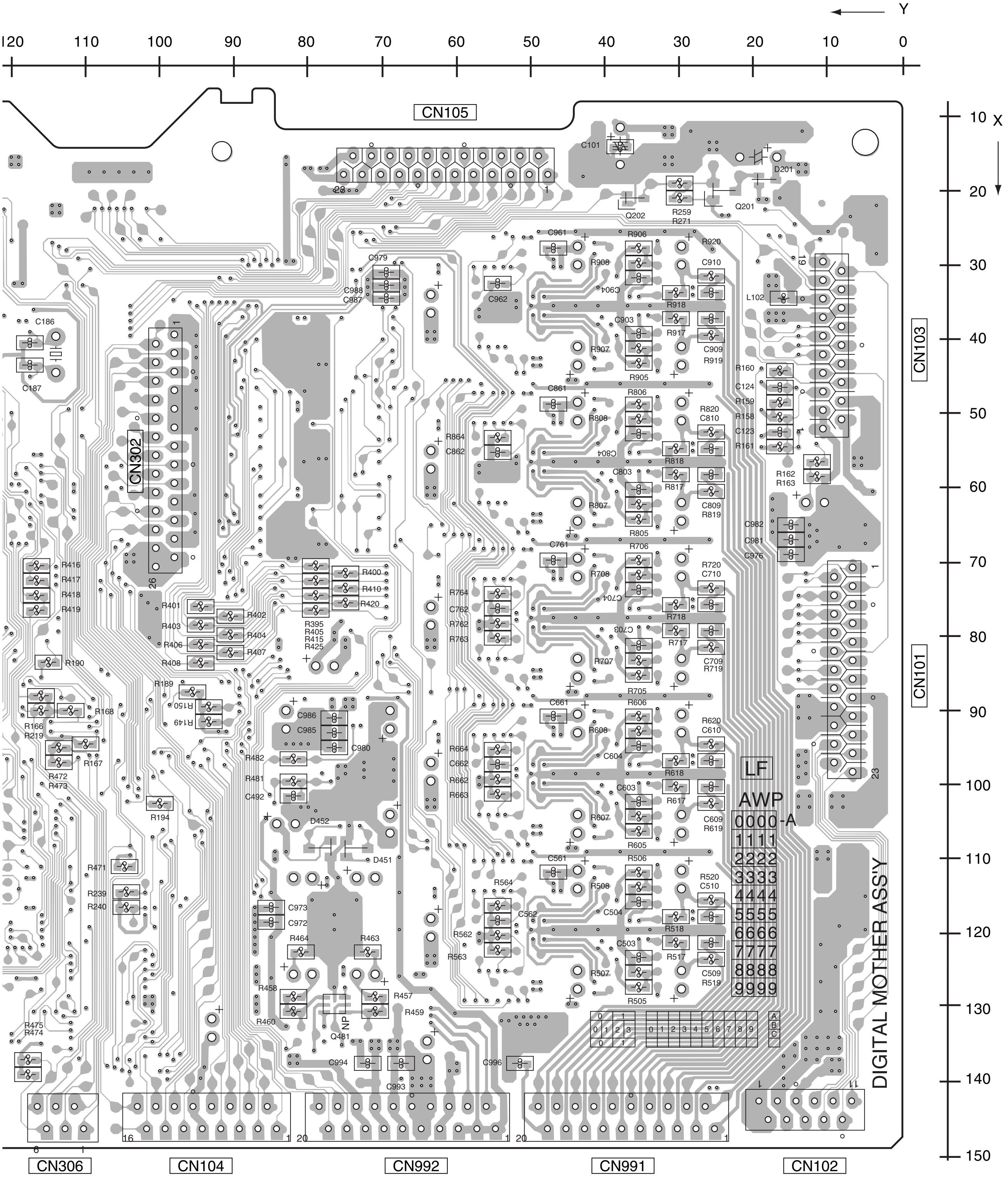
(ANP7537-A)
CN201
CN304
CN306

SIDE B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X
10 20 30 40 50 60 70 80 90 100 110 120 130 140 150
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R259
R271
Q201
C961
R906
R920
R908
C910
C904
R918
C979
C988
C987
C962
L102
C186
C187
R917
C903
R907
C909
R919
R905
CN103
R160
C124
R159
R158
C123
R161
C861
R806
R820
C810
R808
R864
C862
C804
R818
C803
R817
R162
R163
CN302
R807
C809
R819
R805
C982
C981
C976
C761
R706
R416
R417
R418
R419
R400
R410
R420
R708
R720
C710
R764
C762
R762
R763
C704
R718
R401
R402
R403
R404
R406
R407
R408
R395
R405
R415
R425
C708
R717
C709
R719
R190
R707
R705
CN101
R189
R150
R149
R168
R166
R219
C986
C985
C980
C661
R606
R620
C610
R608
R664
C662
R662
R663
C604
R618
R167
R472
R473
R482
R481
C492
C603
R617
LF
AWP
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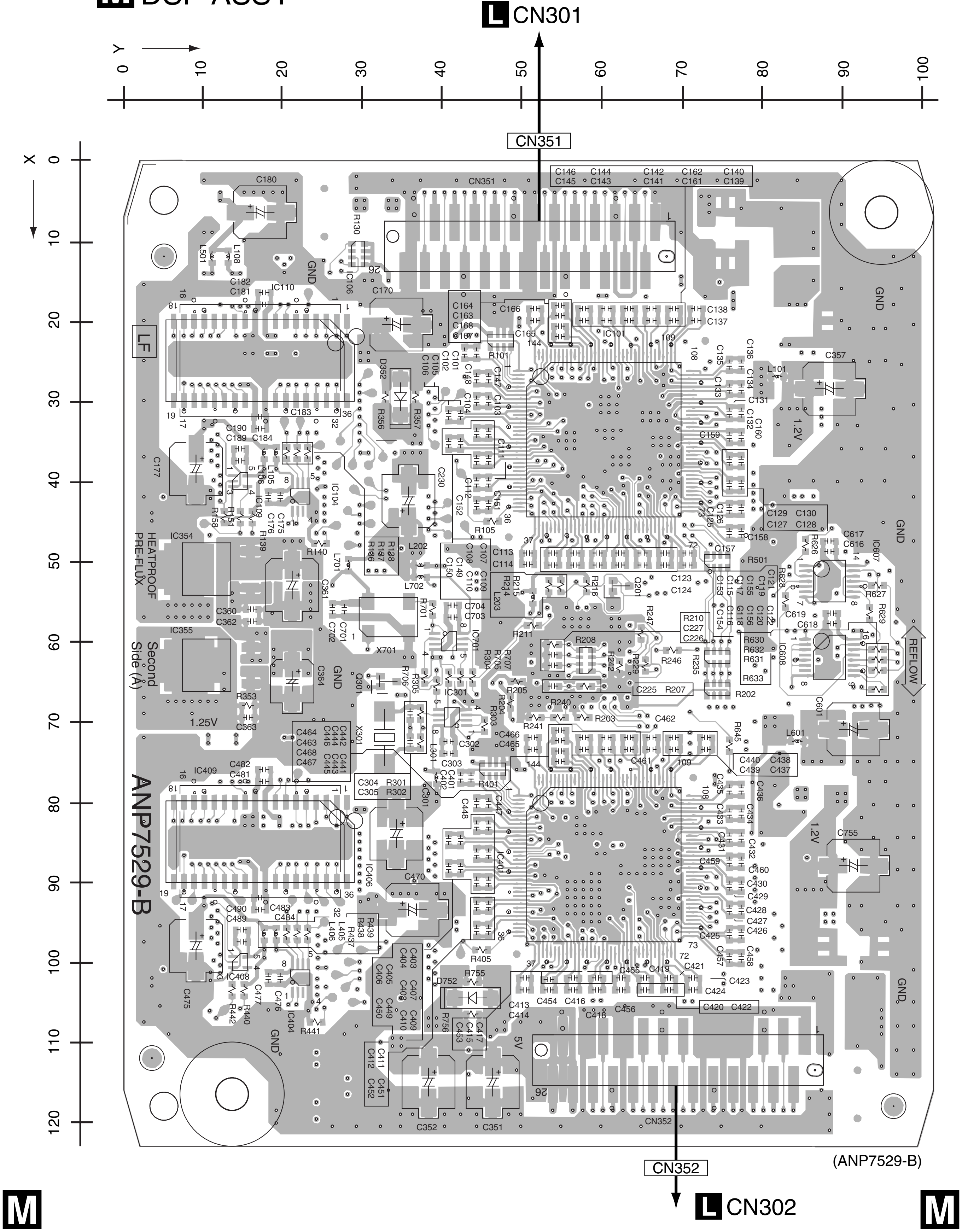
2222
3333
4444
5555
6666
7777
8888
9999
R194
D452
D451
R607
C609
R619
R605
C561
R506
R471
R239
R240
C973
C972
R564
R520
C510
R508
C562
C504
R518
R464
R463
R562
R563
C503
R517
R507
C509
R519
R505
R458
R457
R459
R460
NP
Q481
R475
R474
DIGITAL MOTHER ASS'Y
C994
C993
C996
A B C
26 1 19 23 28
CN306
CN104
CN992
CN991
CN102

L

4.11 DSP ASSY

SIDE A **SIDE A**

M DSP ASSY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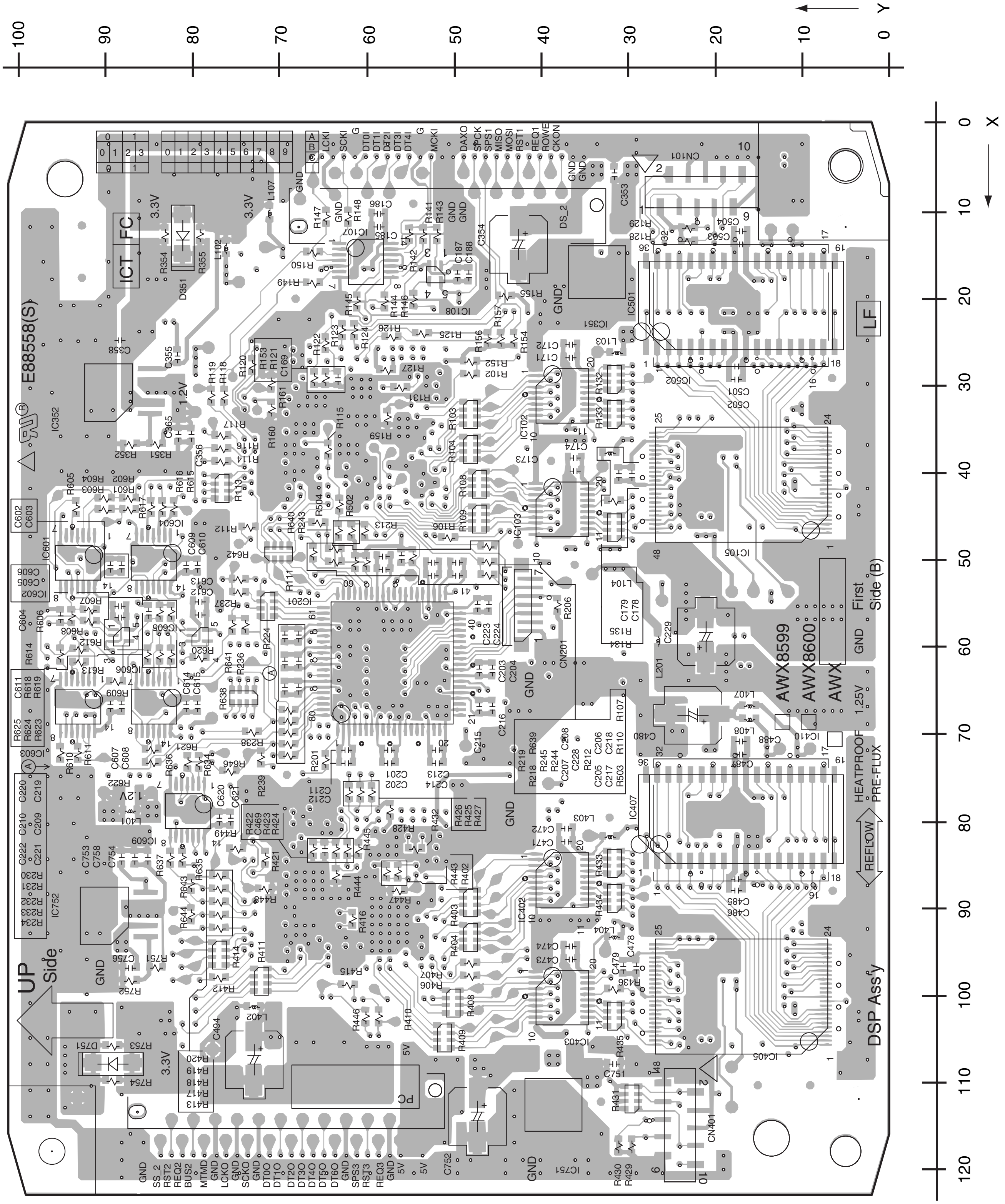
70
80
90
100
X
CN351
CN352
L CN302
(ANP7529-B)
ANP7529-B
IC101
IC401
IC110
IC409
IC354
IC355
IC104
IC109
IC404
IC408
IC406
IC301
IC701
IC607
IC608
X701
X301
GND
1.2V
1.25V
5V
LF
HEATPROOF
PRE-FLUX
Second Side (A)
REFLOW
C357
C755
C601
C351
C352
L101
L601
D352
D752
Q201
Q301
C180
C170
C470
C177
C475
C364
C361
C230
C440 C438
C439 C437
C129 C130
C127 C128
C146 C144 C142 C162 C140
C145 C143 C141 C161 C139
R210
C227
C226
R630
R632
R631
R633
C420 C422

SIDE B **SIDE B**

A

M DSP ASSY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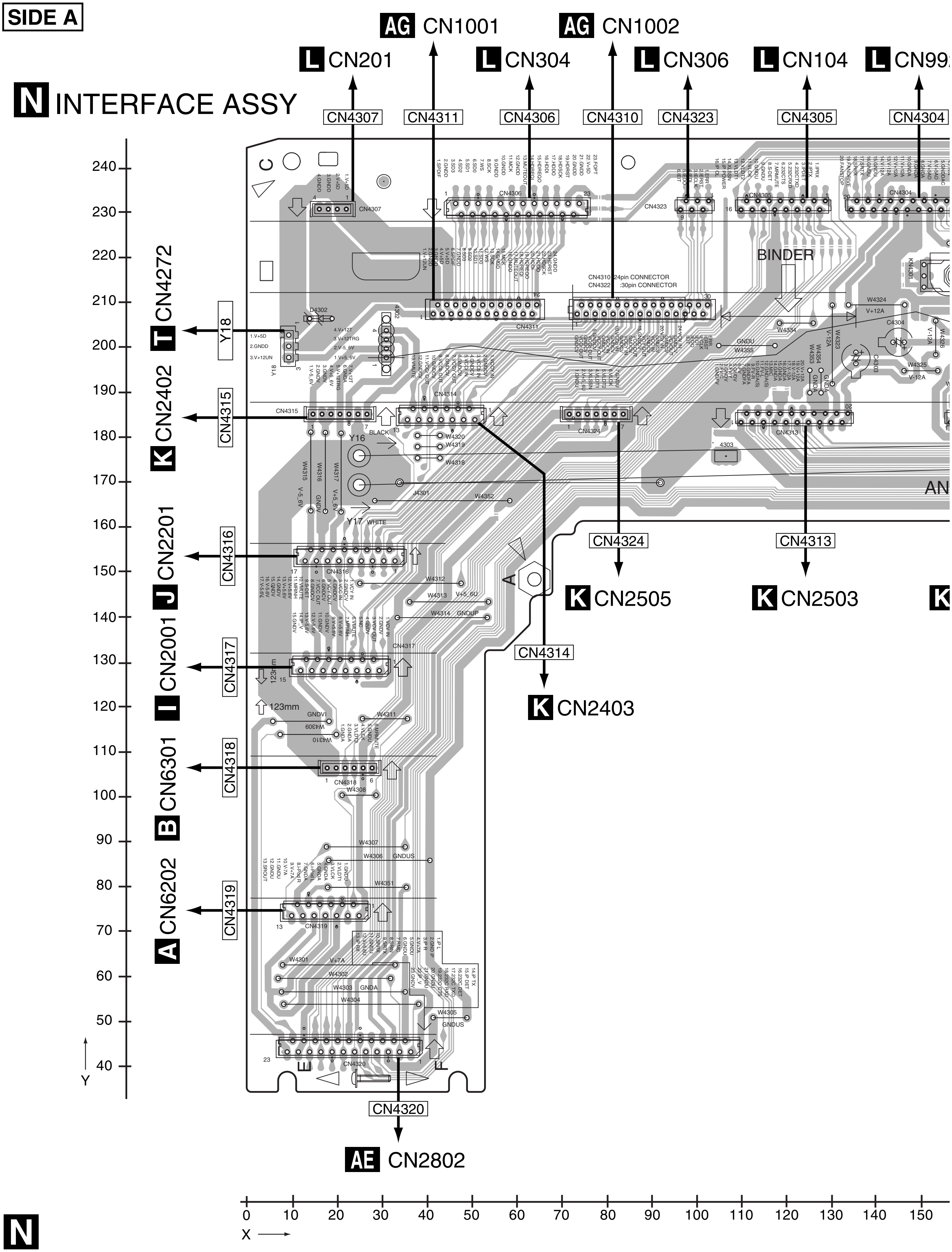
70
60
50
40
30
20
10
0
X
0
10
20
30
40
50
60
70
80
90
100
110
120
B
C
D
E
E88558(S)
ICT
FC
3.3V
1.2V
12V
GND
LF
IC101
IC102
IC103
IC105
IC107
IC108
IC201
IC351
IC352
IC402
IC403
IC405
IC407
IC410
IC501
IC502
IC601
IC602
IC603
IC604
IC605
IC606
IC609
IC751
IC752
CN101
CN201
CN401
DS_2
First Side (B)
AWX8599
AWX8600
AWX
1.25V
HEATPROOF
PRE-FLUX
REFLOW
DSP Ass'y
UP Side
PC
LRCKI
SCKI
DT0I
DT1I
DT2I
DT3I
DT4I
MCKI
DAXO
SPCK
SPS1
MISO
MOSI
RST1
REQ1
ROWE
CKON
GND
SS_2
RST2
REQ2
BUS2
MTMD
LCKO
SCKO
DT0O
DT1O
DT2O
DT3O
DT4O
DT5O
DT6O
SPS3
RST3
REQ3
5V

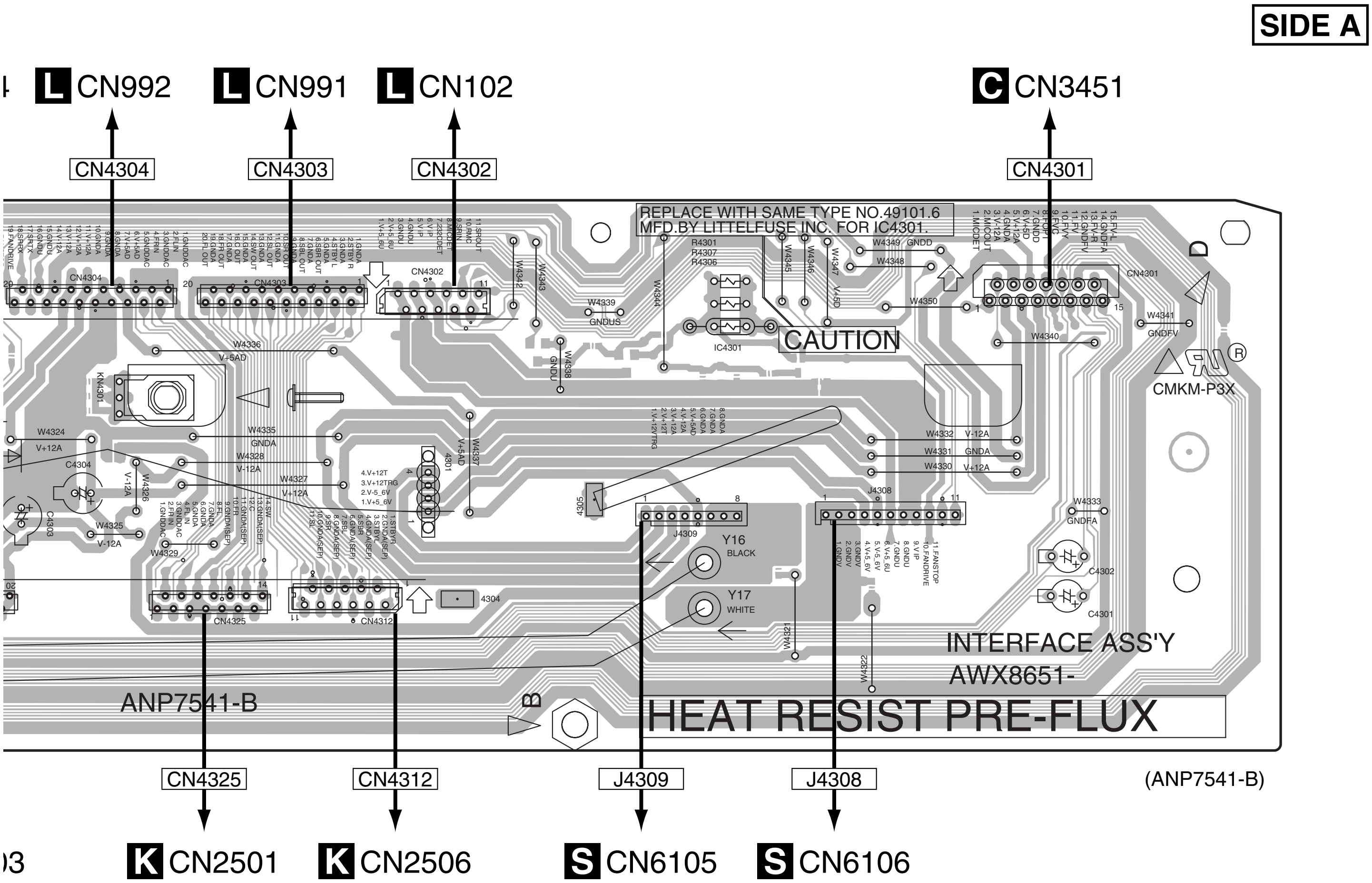
(ANP7529-B)

4.12 INTERFACE ASSY

SIDE A



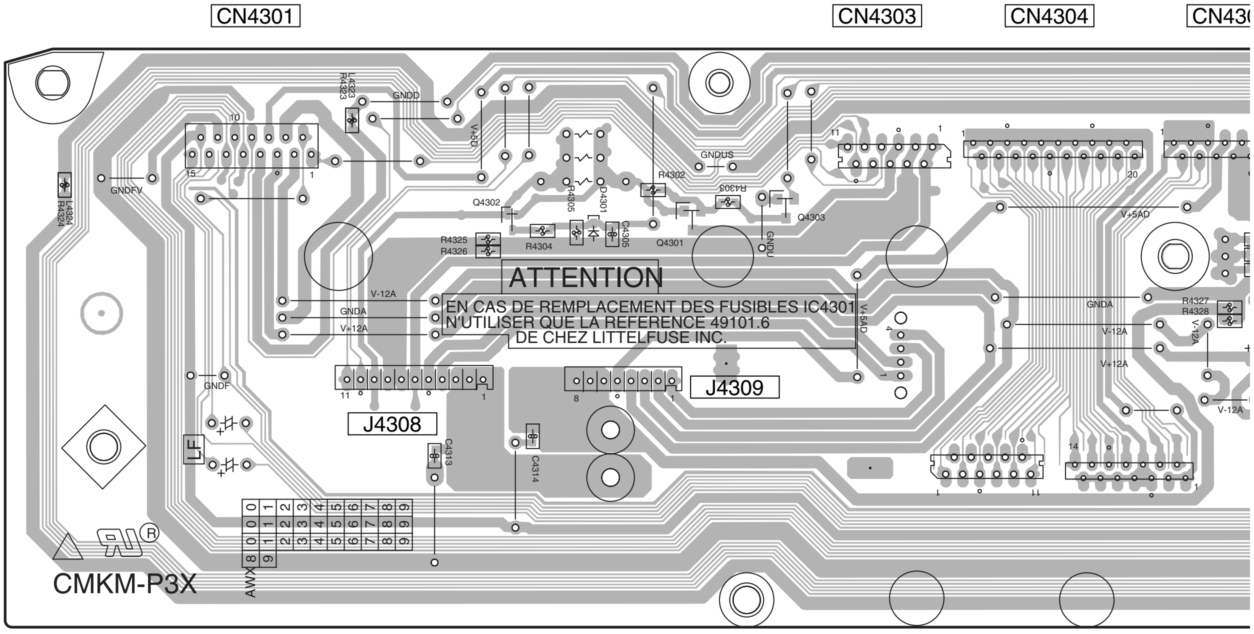
N INTERFACE ASSY
AG CN1001
AG CN1002
L CN201
L CN304
L CN306
L CN104
L CN99
CN4307
CN4311
CN4306
CN4310
CN4323
CN4305
CN4304
T CN4272
Y18
K CN2402
CN4315
J CN2201
CN4316
I CN2001
CN4317
B CN6301
CN4318
A CN6202
CN4319
CN4324
CN4313
K CN2505
K CN2503
K
CN4314
K CN2403
CN4320
AE CN2802
BINDER
CN4310 :24pin CONNECTOR
CN4322 :30pin CONNECTOR
Y16 BLACK
Y17 WHITE
J4301
123mm
AN
240
230
220
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
Y
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
X


SIDE A
L CN992
L CN991
L CN102
C CN3451
CN4304
CN4303
CN4302
CN4301
REPLACE WITH SAME TYPE NO.49101.6
MFD.BY LITTELFUSE INC. FOR IC4301.
CAUTION
IC4301
R4301
R4307
R4306
W4349 GNDD
W4348
W4350
W4340
W4341 GNDFV
W4336 V+5AD
W4339 GNDUS
W4335 GNDA
W4328 V-12A
W4327 V+12A
W4324 V+12A
W4325 V-12A
W4326
W4329
W4332 V-12A
W4331 GNDA
W4330 V+12A
W4333 GNDFA
W4337 V+5AD
W4338 GNDU
W4342
W4343
W4344
W4345
W4346
W4347 V+5D
W4321
W4322
KN4301
C4304
C4303
C4302
C4301
J4309
J4308
Y16 BLACK
Y17 WHITE
CN4325
CN4312
CMKM-P3X
INTERFACE ASS'Y
AWX8651-
ANP7541-B
HEAT RESIST PRE-FLUX
D
B
J4309
J4308
(ANP7541-B)
K CN2501
K CN2506
S CN6105
S CN6106

SIDE B

A

N INTERFACE ASSY


CN4301
CN4303
CN4304
CN430
L4323
R4323
GNDD
V+5D
10
15
1
GNDFV
L4324
R4324
Q4302
R4305
D4301
R4302
R4303
GNDUS
Q4303
Q4301
GNDU
C4305
R4325
R4326
R4304
ATTENTION
EN CAS DE REMPLACEMENT DES FUSIBLES IC4301
N'UTILISER QUE LA REFERENCE 49101.6
DE CHEZ LITTELFUSE INC.
V-12A
GNDA
V+12A
V+5AD
11
1
20
14
V+5AD
GNDA
R4327
R4328
V-12A
V+12A
V-12A
GNDF
J4308
J4309
8
4
LF
C4313
C4314
0 1 2 3 4 5 6 7 8 9
0 1 2 3 4 5 6 7 8 9
0 1 2 3 4 5 6 7 8 9
8 9
AWX
CMKM-P3X
CN4312
CN4325

(ANP7540-A)

B

C

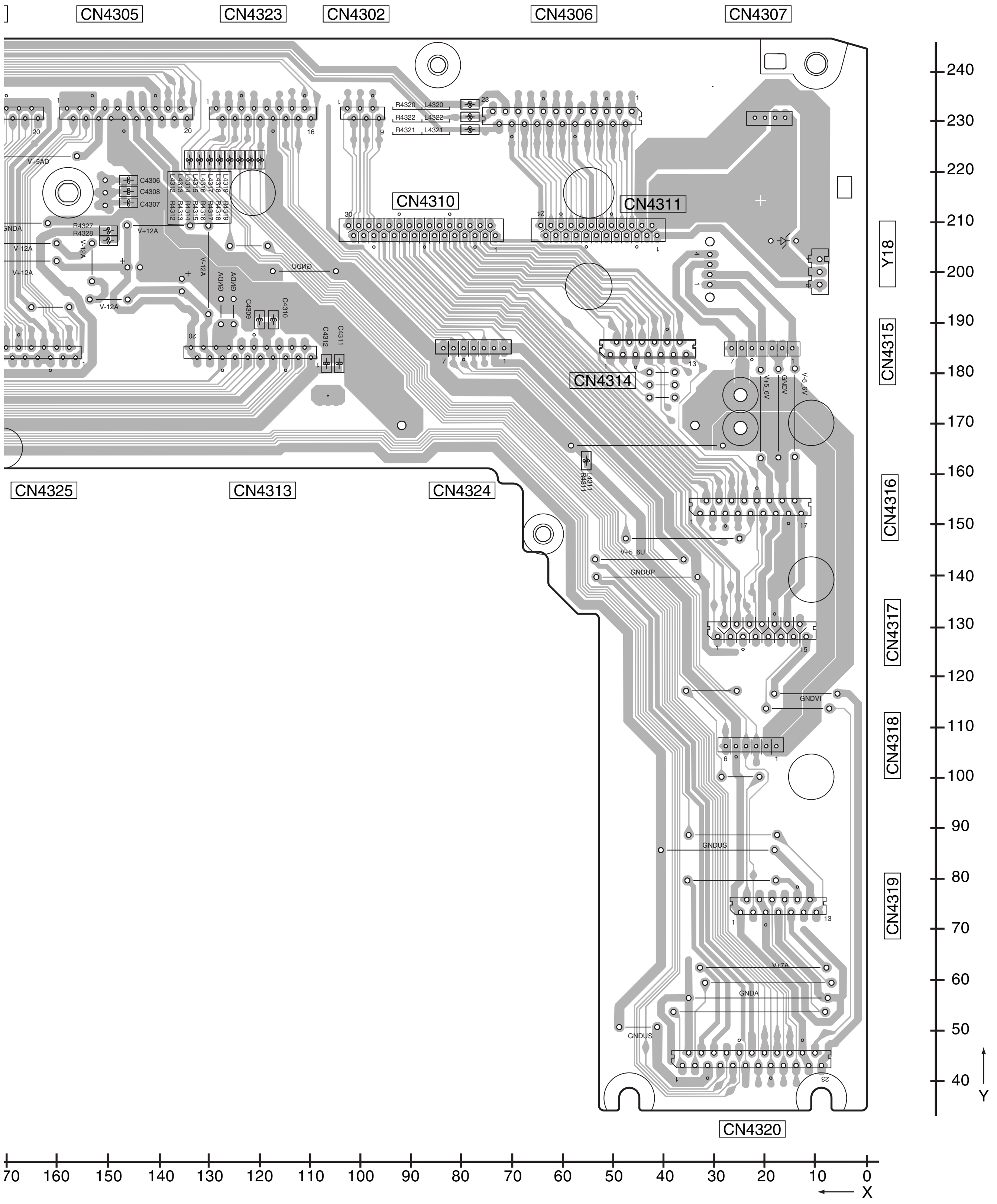
D

E

320 310 300 290 290 280 270 260 250 240 230 220 210 200 190 180 170 160 150

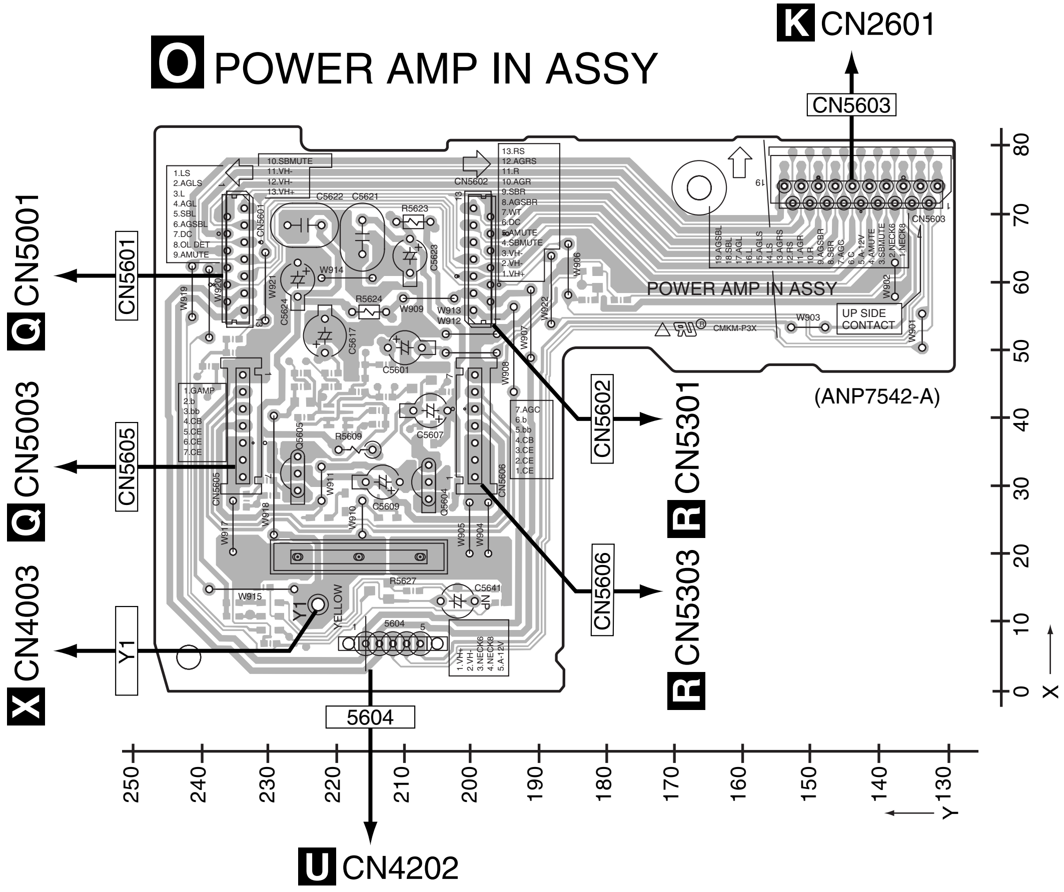
F

SIDE B

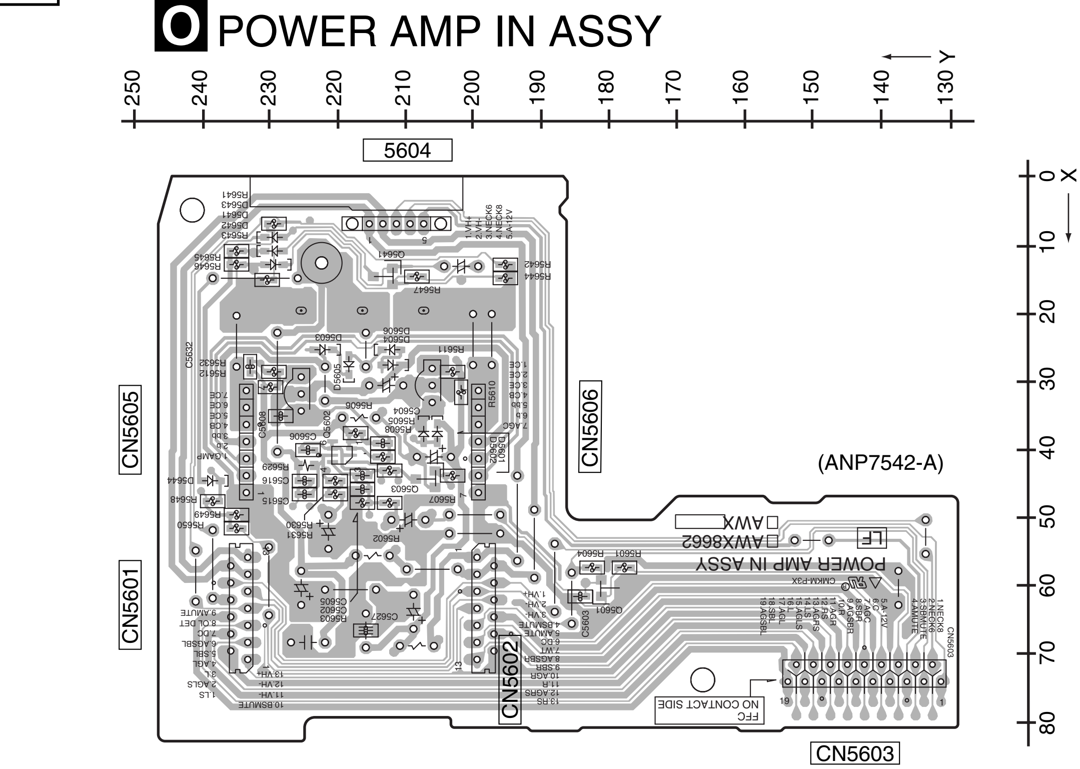

CN4305
CN4323
CN4302
CN4306
CN4307
CN4310
CN4311
Y18
CN4315
CN4314
CN4316
CN4317
CN4318
CN4319
CN4320
CN4325
CN4313
CN4324
R4320
L4320
R4322
L4322
R4321
L4321
C4306
C4308
C4307
R4327
R4328
V+5AD
GNDA
V-12A
V+12A
L4319
L4318
L4317
L4316
L4315
L4314
L4313
L4312
R4319
R4318
R4317
R4316
R4315
R4314
R4313
R4312
GNDU
AGND
C4309
C4310
C4311
C4312
L4311
R4311
V+5_6U
GNDUP
V+5_6V
GNDV
V-5_6V
GNDVI
GNDUS
V+7A
240
230
220
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
Y
70
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
X

4.13 POWER AMP IN ASSY

SIDE A **SIDE A**


O POWER AMP IN ASSY
K CN2601
CN5603
CN5601
Q CN5001
CN5605
Q CN5003
Y1
X CN4003
5604
U CN4202
CN5602
R CN5301
CN5606
R CN5303
(ANP7542-A)
POWER AMP IN ASSY
UP SIDE CONTACT
YELLOW
1.LS
2.AGLS
3.L
4.AGL
5.SBL
6.AGSBL
7.DC
8.OL DET
9.AMUTE
10.SBMUTE
11.VH-
12.VH-
13.VH+
13.RS
12.AGRS
11.R
10.AGR
9.SBR
8.AGSBR
7.WT
6.DC
5.AMUTE
4.SBMUTE
3.VH-
2.VH-
1.VH+
1.GAMP
2.b
3.bb
4.CB
5.CE
6.CE
7.CE
7.AGC
6.b
5.bb
4.CB
3.CE
2.CE
1.CE
1.VH+
2.VH-
3.NECK6
4.NECK8
5.A-12V
19.AGSBL
18.SBL
17.AGL
16.L
15.AGLS
14.LS
13.AGRS
12.RS
11.AGR
10.R
9.AGSBR
8.SBR
7.AGC
6.C
5.A-12V
4.AMUTE
3.SBMUTE
2.NECK6
1.NECK8
X
Y
80
70
60
50
40
30
20
10
0
250
240
230
220
210
200
190
180
170
160
150
140
130

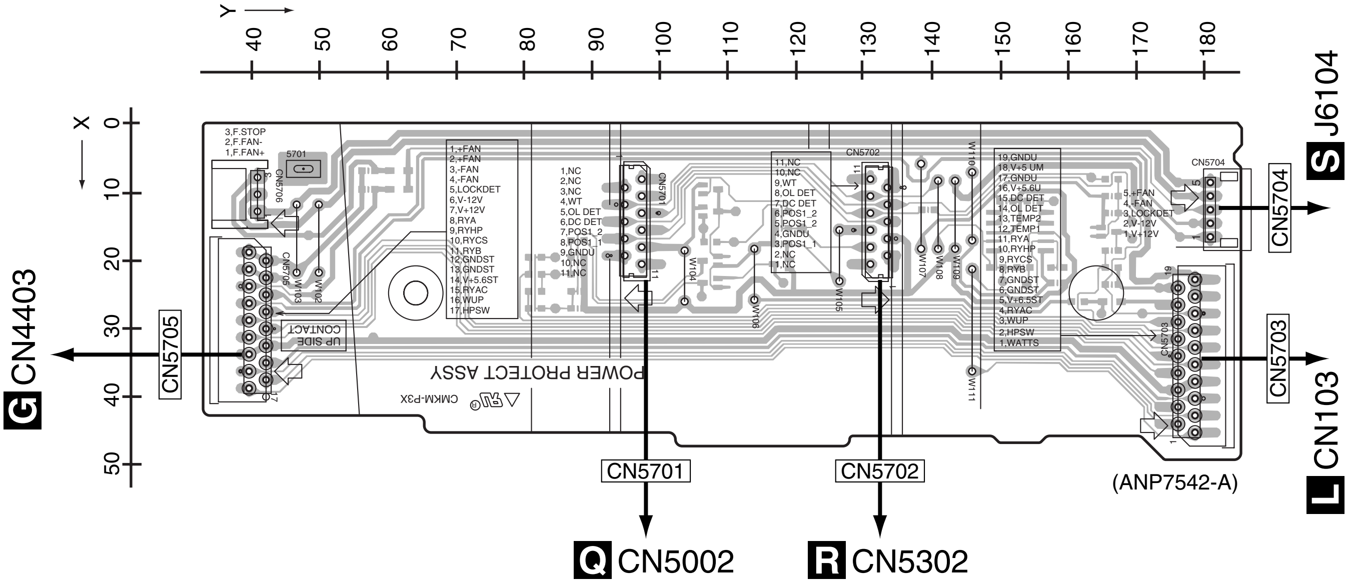
SIDE B **SIDE B**


O POWER AMP IN ASSY
5604
CN5605
CN5601
CN5606
CN5602
CN5603
(ANP7542-A)
Y
X
250
240
230
220
210
200
190
180
170
160
150
140
130
0
10
20
30
40
50
60
70
80

4.14 POWER PROTECT ASSY

SIDE A **SIDE A**

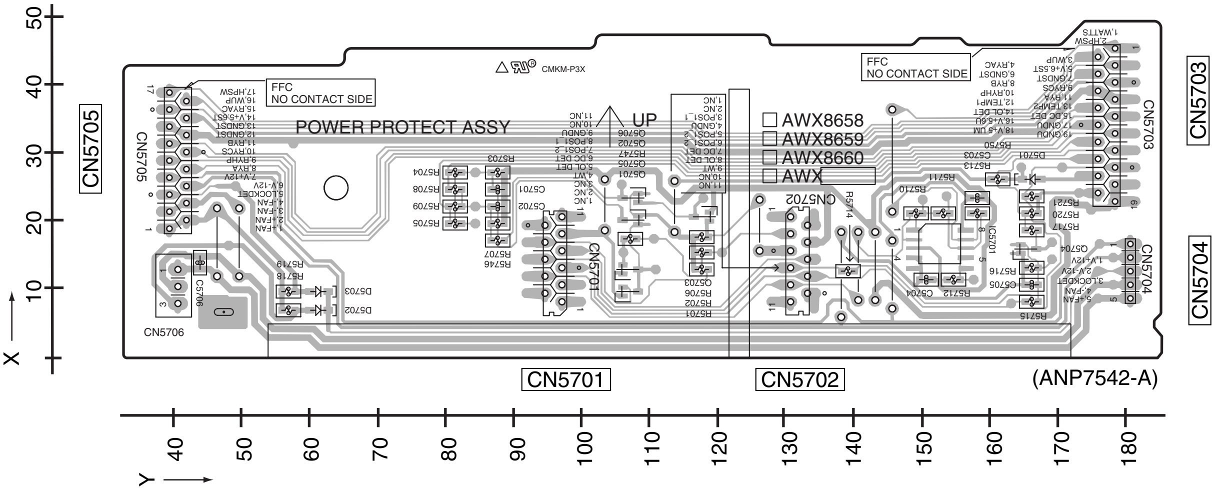
P POWER PROTECT ASSY


Y
40
50
60
70
80
90
100
110
120
130
140
150
160
170
180
X
0
10
20
30
40
50
3,F.STOP
2,F.FAN-
1,F.FAN+
5701
CN5706
1,+FAN
2,+FAN
3,-FAN
4,-FAN
5,LOCKDET
6,V-12V
7,V+12V
8,RYA
9,RYHP
10,RYCS
11,RYB
12,GNDST
13,GNDST
14,V+5.6ST
15,RYAC
16,WUP
17,HPSW
1,NC
2,NC
3,NC
4,WT
5,OL DET
6,DC DET
7,POS1_2
8,POS1_1
9,GNDU
10,NC
11,NC
CN5701
11,NC
10,NC
9,WT
8,OL DET
7,DC DET
6,POS1_2
5,POS1_2
4,GNDU
3,POS1_1
2,NC
1,NC
CN5702
W102
W103
W104
W105
W106
W107
W108
W109
W110
W111
19,GNDU
18,V+5 UM
17,GNDU
16,V+5.6U
15,DC DET
14,OL DET
13,TEMP2
12,TEMP1
11,RYA
10,RYHP
9,RYCS
8,RYB
7,GNDST
6,GNDST
5,V+6.5ST
4,RYAC
3,WUP
2,HPSW
1,WATTS
CN5704
5,+FAN
4,-FAN
3,LOCKDET
2,V-12V
1,V+12V
CN5703
CN5705
UP SIDE CONTACT
POWER PROTECT ASSY
CMKM-P3X
G CN4403
CN5705
CN5701
CN5702
Q CN5002
R CN5302
S J6104
CN5704
CN5703
L CN103

(ANP7542-A)

SIDE B **SIDE B**

P POWER PROTECT ASSY

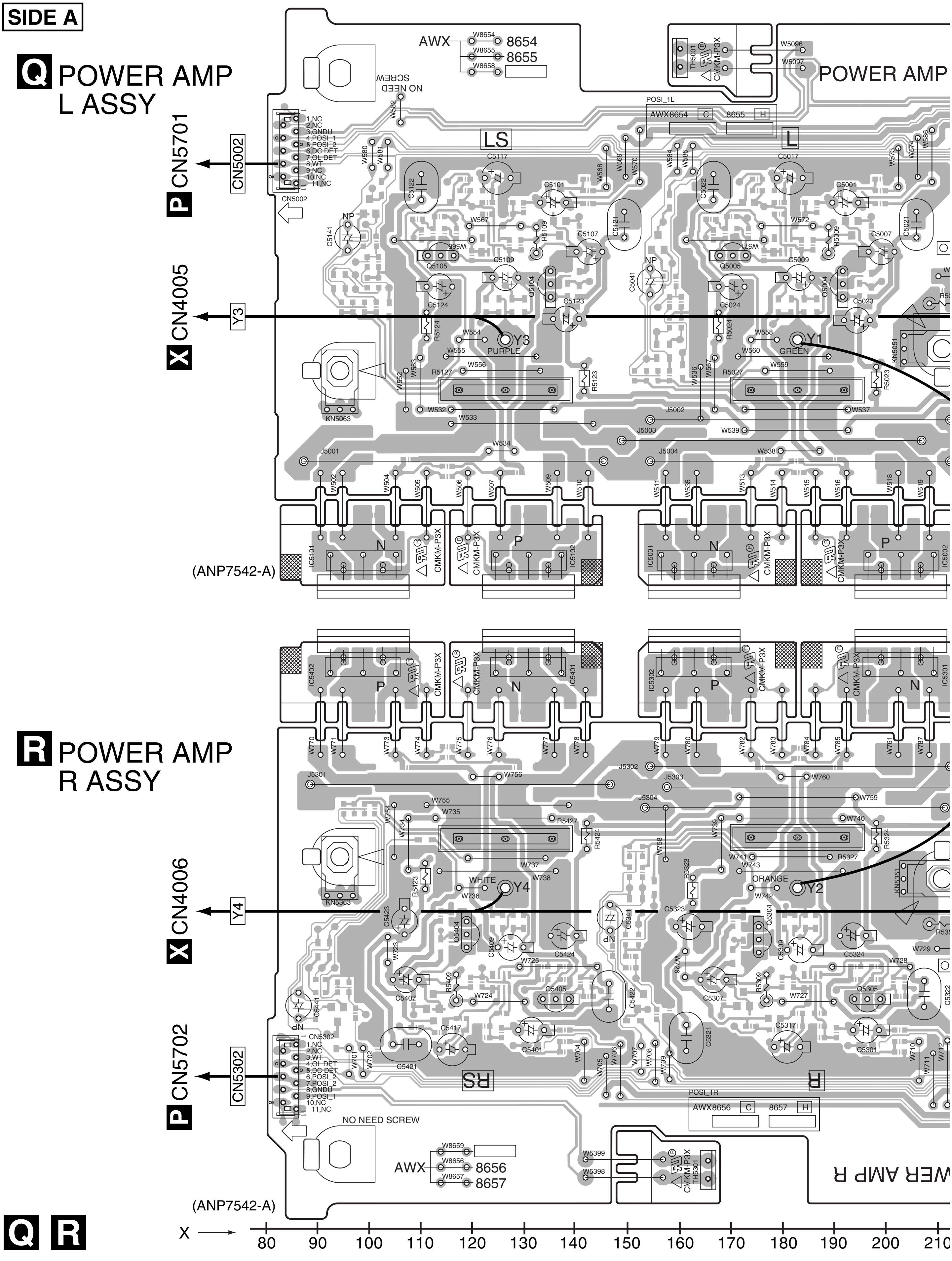

50
40
30
20
10
X
CN5705
CN5706
FFC
NO CONTACT SIDE
POWER PROTECT ASSY
UP
CMKM-P3X
☐ AWX8658
☐ AWX8659
☐ AWX8660
☐ AWX
CN5701
CN5702
FFC
NO CONTACT SIDE
CN5703
CN5704
CN5705
CN5703
CN5704
CN5701
CN5702
40
50
60
70
80
90
100
110
120
130
140
150
160
170
180
Y

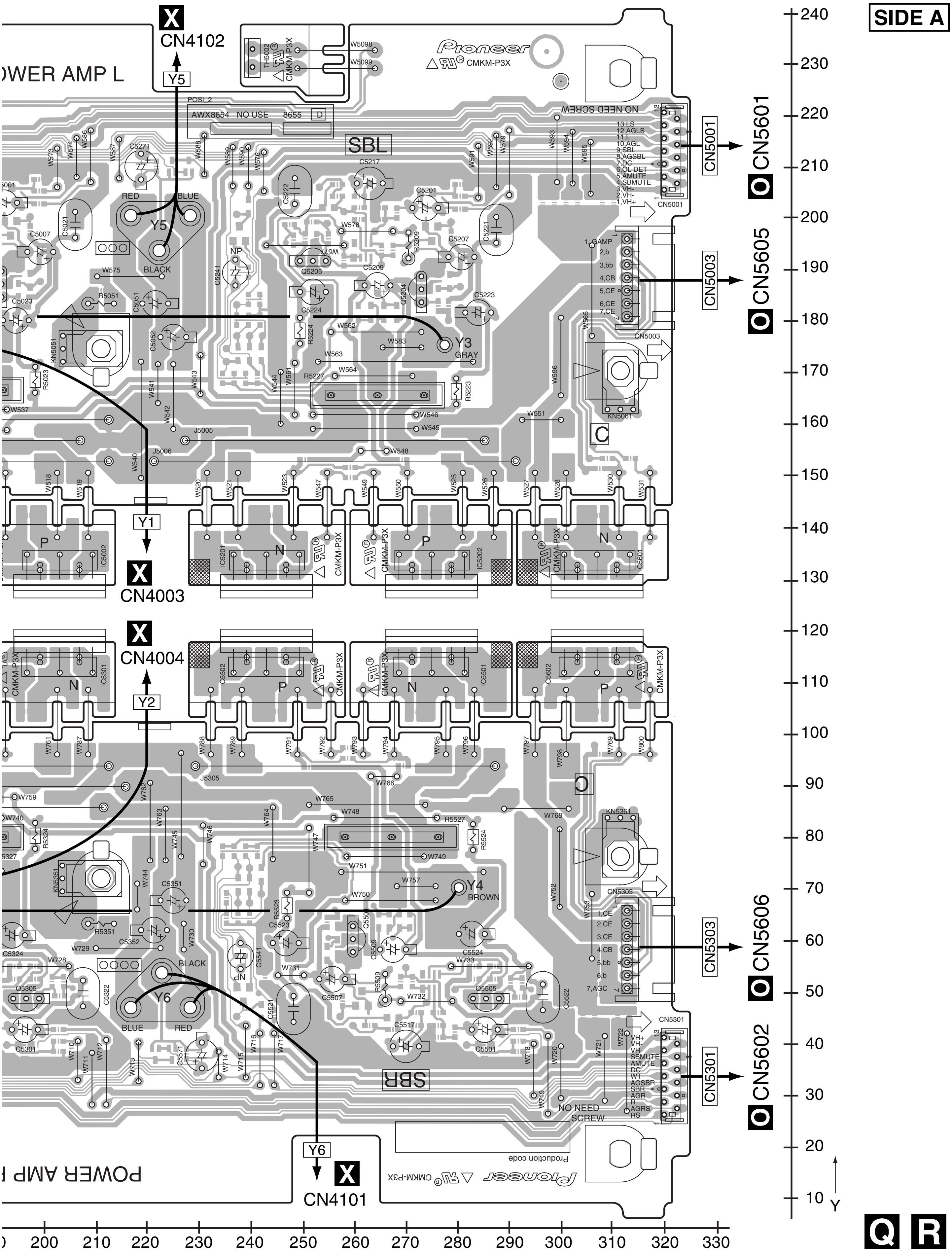
(ANP7542-A)

P **P**

4.15 POWER AMP L and POWER AMP R ASSYS

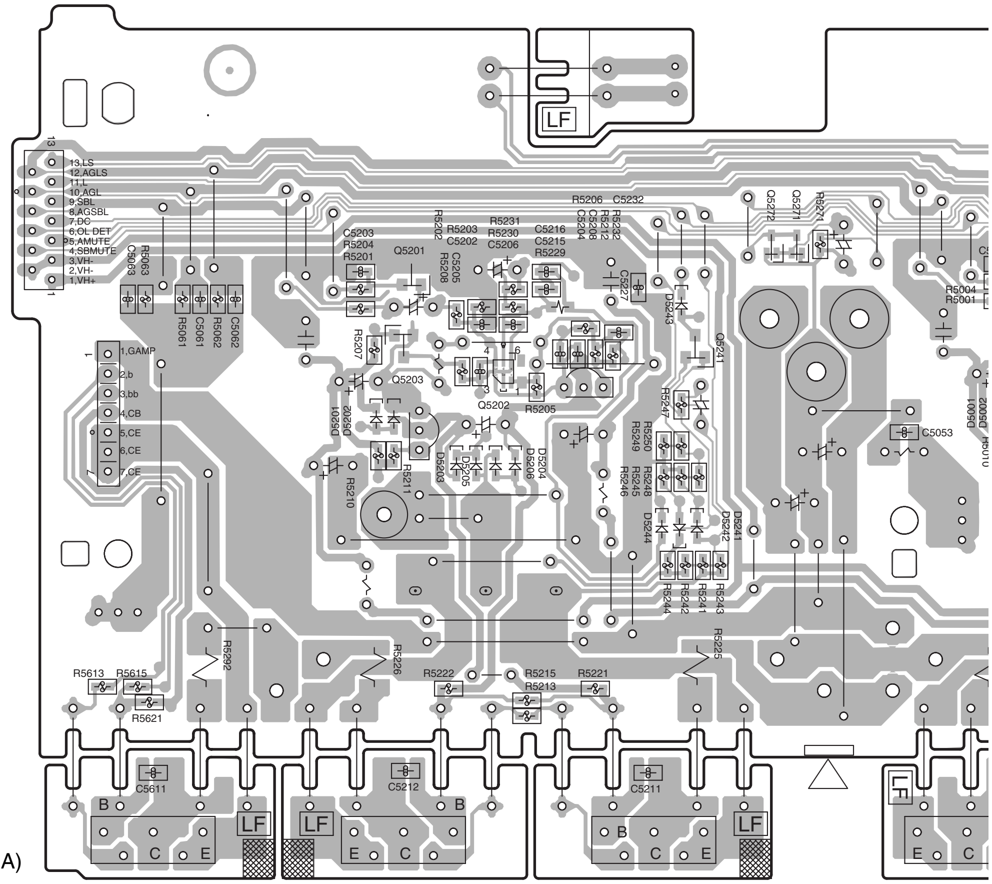
SIDE A


Q POWER AMP L ASSY
P CN5701
CN5002
X CN4005
Y3
AWX 8654
8655
W8654
W8655
W8658
NO NEED SCREW
POSI_1L
AWX8654 C
8655 H
POWER AMP
LS
L
1.NC
2.NC
3.GNDU
4.POSI_1
5.POSI_2
6.DC DET
7.OL DET
8.WT
9.NC
10.NC
11.NC
C5117
C5101
C5122
C5141
NP
W567
R5109
C5107
W566
Q5105
C5109
Q5104
C5124
C5123
R5124
W554
Y3 PURPLE
W555
W556
R5127
R5123
W552
W553
W532
W533
W534
KN5063
J5001
C5121
C5041
C5017
C5001
C5022
W572
R5009
C5007
W571
Q5005
C5009
Q5004
C5024
C5023
R5024
W558
Y1 GREEN
W560
W559
R5027
R5023
KN5051
W536
W557
J5002
J5003
J5004
W537
W539
W538
W568
W569
W570
W584
W585
W573
W574
W586
W580
W581
W582
W5096
W5097
TH5001
CMKM-P3X
W502
W504
W505
W506
W507
W509
W510
W511
W535
W513
W514
W515
W516
W518
W519
IC5101
N
P
C5102
IC5001
C5002
(ANP7542-A)
R POWER AMP R ASSY
X CN4006
Y4
P CN5702
CN5302
IC5402
IC5401
IC5302
IC5301
W770
W771
W773
W774
W775
W776
W777
W778
W779
W780
W782
W783
W784
W785
W761
W787
J5301
W756
J5302
J5303
W760
W755
W735
J5304
W759
W754
W734
R5427
R5424
W739
W740
W758
R5324
W741
W743
R5327
W737
W738
R5423
WHITE
Y4
W736
KN5363
R5323
ORANGE
Y2
W742
KN5351
C5423
C5404
C5409
C5424
C5341
NP
C5323
Q5304
C5309
C5324
W729
W723
W725
W726
W728
R5409
W724
Q5405
C5407
C5422
C5307
R5309
W727
Q5305
C5322
C5441
C5417
C5321
C5317
C5421
C5401
C5301
CN5302
1.NC
2.NC
3.WT
4.OL DET
5.DC DET
6.POSI_2
7.POSI_2
8.GNDU
9.POSI_1
10.NC
11.NC
W701
W702
W704
W705
W706
W707
W708
W709
W710
W711
W712
RS
R
POSI_1R
AWX8656 C
8657 H
NO NEED SCREW
W8659
W8656
W8657
AWX 8656
8657
W5399
W5398
TH5301
CMKM-P3X
WER AMP R
(ANP7542-A)
Q R
X
80
90
100
110
120
130
140
150
160
170
180
190
200
210


SIDE A
X CN4102
Y5
OWER AMP L
POSI_2
AWX8654 NO USE 8655 D
SBL
Pioneer
CMKM-P3X
TH5002
W5098
W5099
NO NEED SCREW
13,LS
12,AGLS
11,L
10,AGL
9,SBL
8,AGSBL
7,DC
6,OL DET
5,AMUTE
4,SBMUTE
3,VH-
2,VH-
1,VH+
CN5001
CN5001
O CN5601
1,GAMP
2,b
3,bb
4,CB
5,CE
6,CE
7,CE
CN5003
CN5003
O CN5605
RED
BLUE
BLACK
Y5
Y3
GRAY
KN5051
KN5061
C
Y1
X CN4003
P
N
P
N
IC5002
IC5201
IC5202
IC5601
X CN4004
Y2
IC5301
IC5502
IC5501
IC5602
N
P
N
P
Y4
BROWN
KN5351
KN5361
C
1,CE
2,CE
3,CE
4,CB
5,bb
6,b
7,AGC
CN5303
CN5303
O CN5606
BLACK
Y6
BLUE
RED
VH+
VH-
VH-
SBMUTE
AMUTE
DC
WT
AGSBR
SBR
AGR
R
AGRS
RS
CN5301
CN5301
O CN5602
SBR
NO NEED SCREW
Production code
Y6
X CN4101
POWER AMP R
240
230
220
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
Y
200
210
220
230
240
250
260
270
280
290
300
310
320
330
Q R

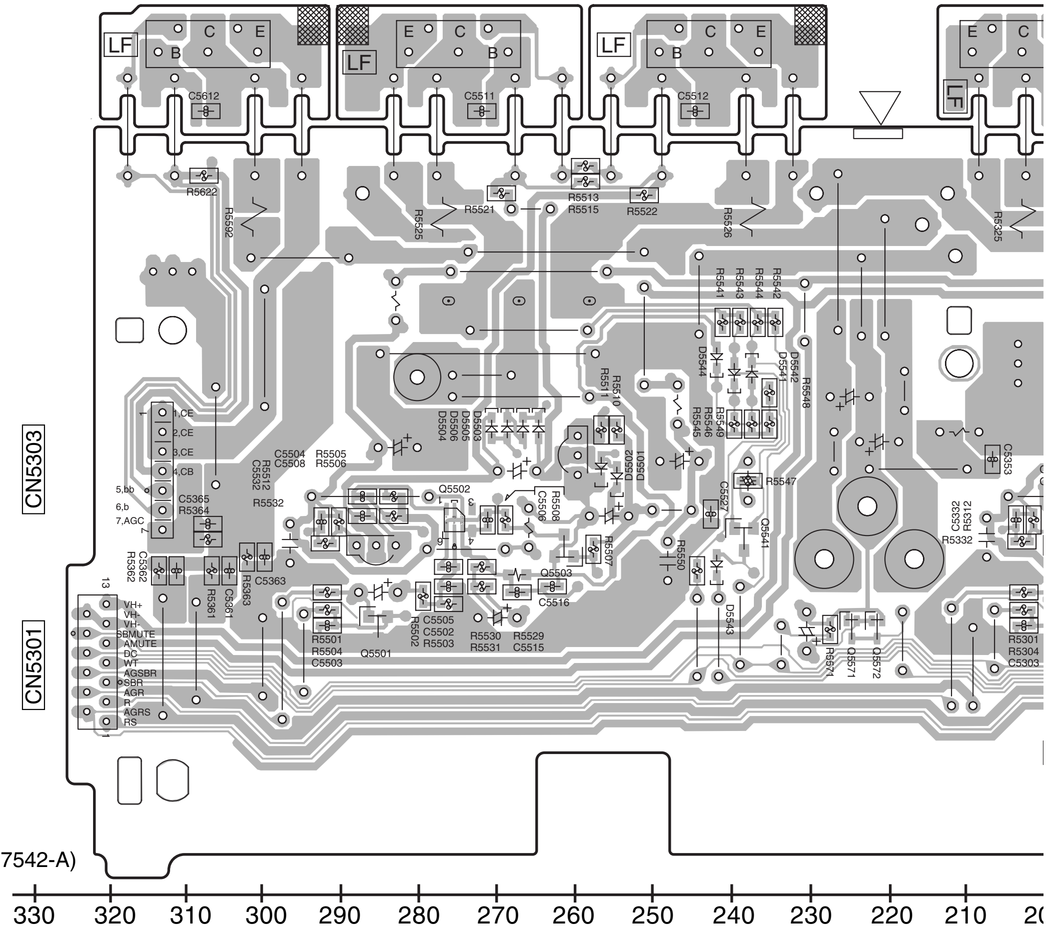
SIDE B

Q POWER AMP L ASSY


CN5001
13,LS
12,AGLS
11,L
10,AGL
9,SBL
8,AGSBL
7,DC
6,OL DET
5,AMUTE
4,SBMUTE
3,VH-
2,VH-
1,VH+
CN5003
1,GAMP
2,b
3,bb
4,CB
5,CE
6,CE
7,CE
LF
Q5201
Q5202
Q5203
Q5241
Q5271
Q5272
R5063
C5063
R5061
C5061
R5062
C5062
C5203
R5204
R5201
R5202
R5203
C5202
R5231
R5230
C5206
C5216
C5215
R5229
R5206
C5232
C5208
C5204
R5212
R5232
C5227
D5243
R5271
R5004
R5001
C5053
D5001
D5002
R5207
R5205
R5208
C5205
D5201
D5202
D5203
D5204
D5205
D5206
R5210
R5211
R5247
R5249
R5250
R5245
R5248
R5246
D5244
D5242
D5241
R5244
R5242
R5241
R5243
R5592
R5226
R5225
R5222
R5215
R5213
R5221
R5613
R5615
R5621
C5611
C5212
C5211
B
C
E

(ANP7542-A)

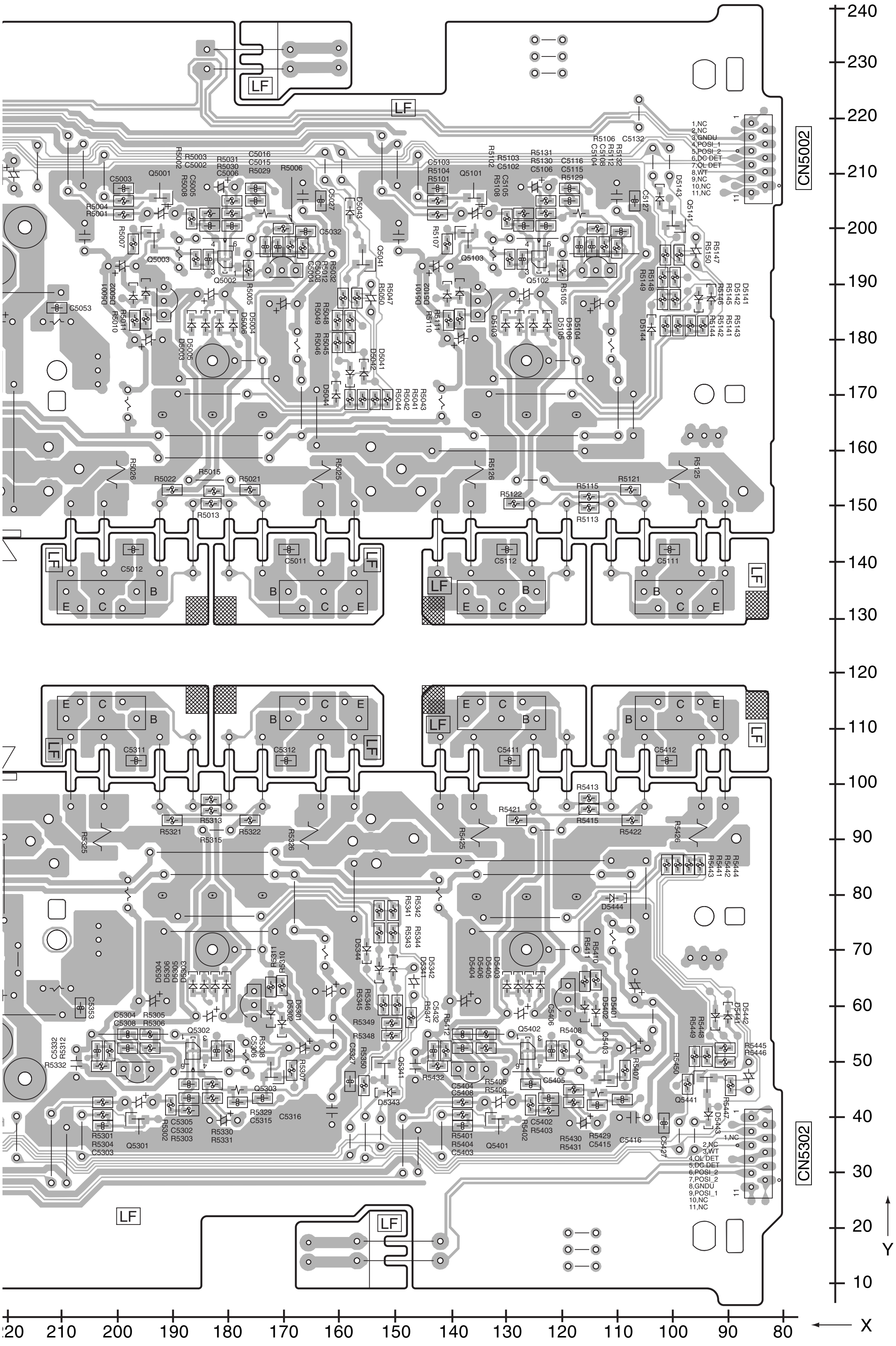
R POWER AMP R ASSY


LF
B
C
E
C5612
C5511
C5512
R5622
R5592
R5525
R5521
R5513
R5515
R5522
R5526
R5325
R5541
R5543
R5544
R5542
D5544
D5542
D5541
R5548
R5510
R5511
R5549
R5546
R5545
D5503
D5505
D5506
D5504
D5502
D5501
C5353
CN5303
1,CE
2,CE
3,CE
4,CB
5,bb
6,b
7,AGC
C5365
R5364
C5504
C5508
R5505
R5506
R5512
C5532
R5532
Q5502
R5508
C5506
R5547
C5527
Q5541
R5507
R5550
C5332
R5312
R5332
C5362
R5362
R5361
C5361
R5363
C5363
Q5503
C5516
D5543
CN5301
VH+
VH-
VH-
SBMUTE
AMUTE
DC
WT
AGSBR
SBR
AGR
R
AGRS
RS
R5501
R5504
C5503
Q5501
R5502
C5505
C5502
R5503
R5530
R5531
R5529
C5515
R5571
Q5571
Q5572
R5301
R5304
C5303
330
320
310
300
290
280
270
260
250
240
230
220
210

(ANP7542-A)

Q R

SIDE B

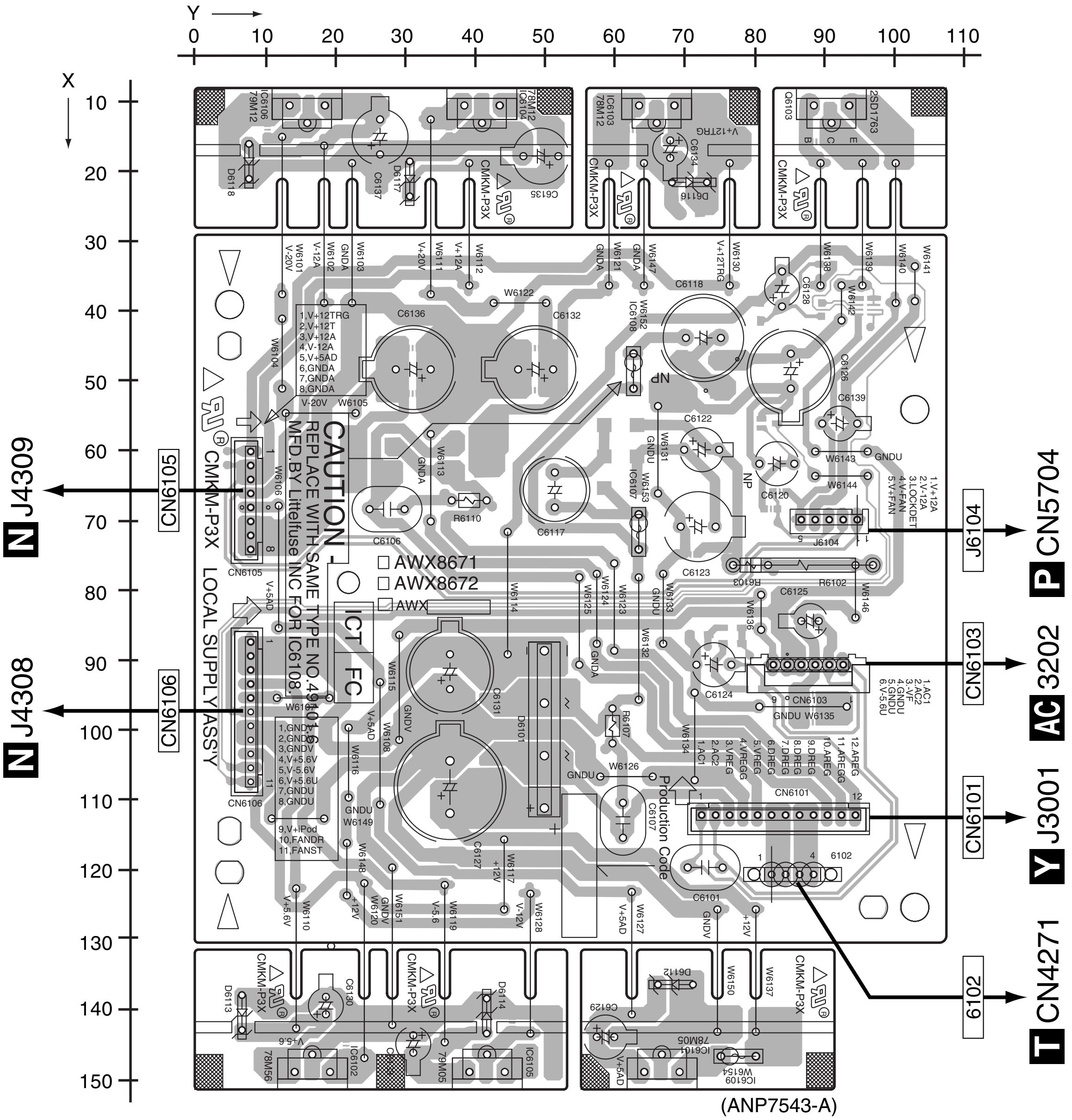

LF
CN5002
1,NC
2,NC
3,GNDU
4,POSI_1
5,POSI_2
6,DC DET
7,OL DET
8,WT
9,NC
10,NC
11,NC
1
11
C5003
R5004
R5001
R5007
Q5001
R5002
R5003
C5002
C5005
R5008
R5031
R5030
C5006
C5016
C5015
R5029
R5006
C5027
D5043
C5032
Q5003
Q5002
R5005
R5032
C5012
C5008
C5004
Q5041
R5047
R5050
D5001
D5002
R5009
R5010
R5011
C5053
D5004
D5006
D5005
D5003
R5048
R5049
R5045
R5046
D5041
D5042
D5044
R5043
R5041
R5042
R5044
C5103
R5104
R5101
Q5101
R5102
R5103
C5102
C5105
R5108
R5107
Q5103
R5131
R5130
C5106
C5116
C5115
R5129
R5106
C5108
C5104
R5112
R5132
C5132
C5127
D5143
Q5141
R5147
R5150
Q5102
R5105
D5101
D5102
R5111
R5110
D5103
D5104
D5106
D5105
R5148
R5149
D5141
D5142
R5146
R5145
R5141
R5142
R5143
R5144
D5144
R5026
R5022
R5015
R5013
R5021
R5025
R5126
R5122
R5115
R5113
R5121
R5125
C5012
C5011
C5112
C5111
E
C
B
C5311
C5312
C5411
C5412
R5321
R5313
R5315
R5322
R5325
R5326
R5421
R5413
R5415
R5422
R5425
R5426
R5444
R5442
R5441
R5443
D5444
R5342
R5341
R5344
R5343
D5344
D5342
D5341
D5403
D5405
D5406
D5404
R5410
R5411
D5304
D5306
D5305
D5303
R5311
R5310
D5301
D5302
R5346
R5345
R5349
R5348
C5432
R5347
R5412
C5406
D5401
D5402
D5441
D5442
R5448
R5449
R5445
R5446
C5353
C5304
C5308
R5305
R5306
Q5302
C5332
R5312
R5332
C5306
R5308
R5307
C5327
R5350
Q5341
D5343
Q5402
R5408
C5403
R5407
R5450
Q5441
R5447
D5443
R5432
C5404
C5408
R5405
R5406
C5405
Q5303
R5329
C5315
C5316
C5305
C5302
R5303
R5302
R5330
R5331
R5301
R5304
C5303
Q5301
R5401
R5404
C5403
Q5401
C5402
R5403
R5402
R5430
R5431
R5429
C5415
C5416
C5427
CN5302
1,NC
2,NC
3,WT
4,OL DET
5,DC DET
6,POSI_2
7,POSI_2
8,GNDU
9,POSI_1
10,NC
11,NC
240
230
220
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
Y
220
210
200
190
180
170
160
150
140
130
120
110
100
90
80
X

Q **R**

4.16 LOCAL SUPPLY and DC/DC ASSYS

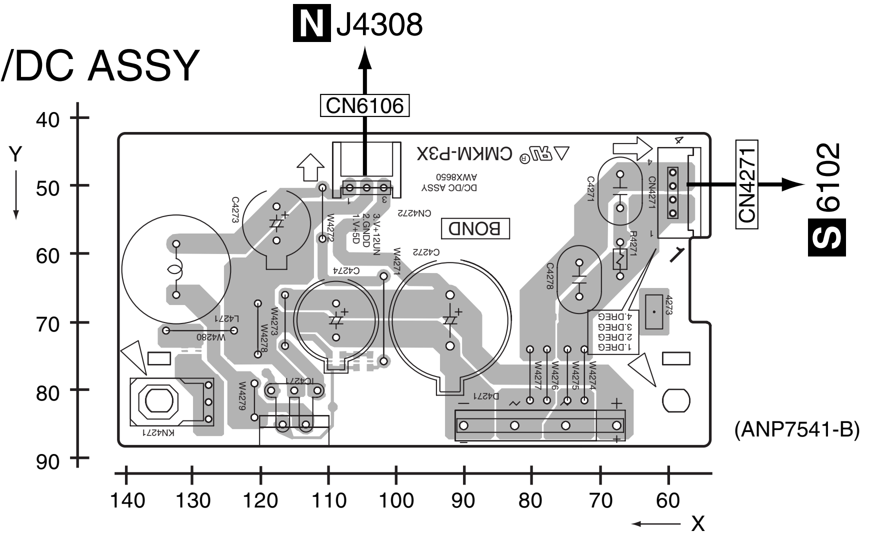
SIDE A **SIDE A**

S LOCAL SUPPLY ASSY


Y
X
0 10 20 30 40 50 60 70 80 90 100 110
10 20 30 40 50 60 70 80 90 100 110 120 130 140 150
N J4309
CN6105
N J4308
CN6106
J6104
P CN5704
CN6103
AC 3202
CN6101
Y J3001
6102
T CN4271
CMKM-P3X
LOCAL SUPPLY ASSY
CAUTION - REPLACE WITH SAME TYPE NO.491016 MFD.BY Littelfuse INC FOR IC6108
ICT
FC
☐ AWX8671
☐ AWX8672
☐ AWX
Production Code
1.V+12TRG
2.V+12T
3.V+12A
4.V-12A
5.V+5AD
6.GNDA
7.GNDA
8.GNDA
1.GNDV
2.GNDV
3.GNDV
4.V+5.6V
5.V-5.6V
6.V+5.6U
7.GNDU
8.GNDU
9.V+iPod
10.FANDR
11.FANST
1.V+12A
2.V-12A
3.LOCKDET
4.V+FAN
5.V+FAN
1.AC1
2.AC2
3.-VF
4.GNDU
5.GNDU
6.V-5.6U
1.AC1
2.AC2
3.VREG
4.VREG
5.VREG
6.DREG
7.DREG
8.DREG
9.DREG
10.AREG
11.AREG
12.AREG
IC6106 79M12
IC6104 78M12
IC6103 78M12
Q6103 2SD1763
V+12TRG
IC6102 78M56
IC6105 79M05
IC6104 78M05
IC6109
IC6107
IC6108
D6101
C6101
C6107
C6127
C6131
C6106
C6117
C6118
C6126
C6136
C6132
C6122
C6120
C6123
C6124
C6125
R6110
R6102
R6103
R6107
NP

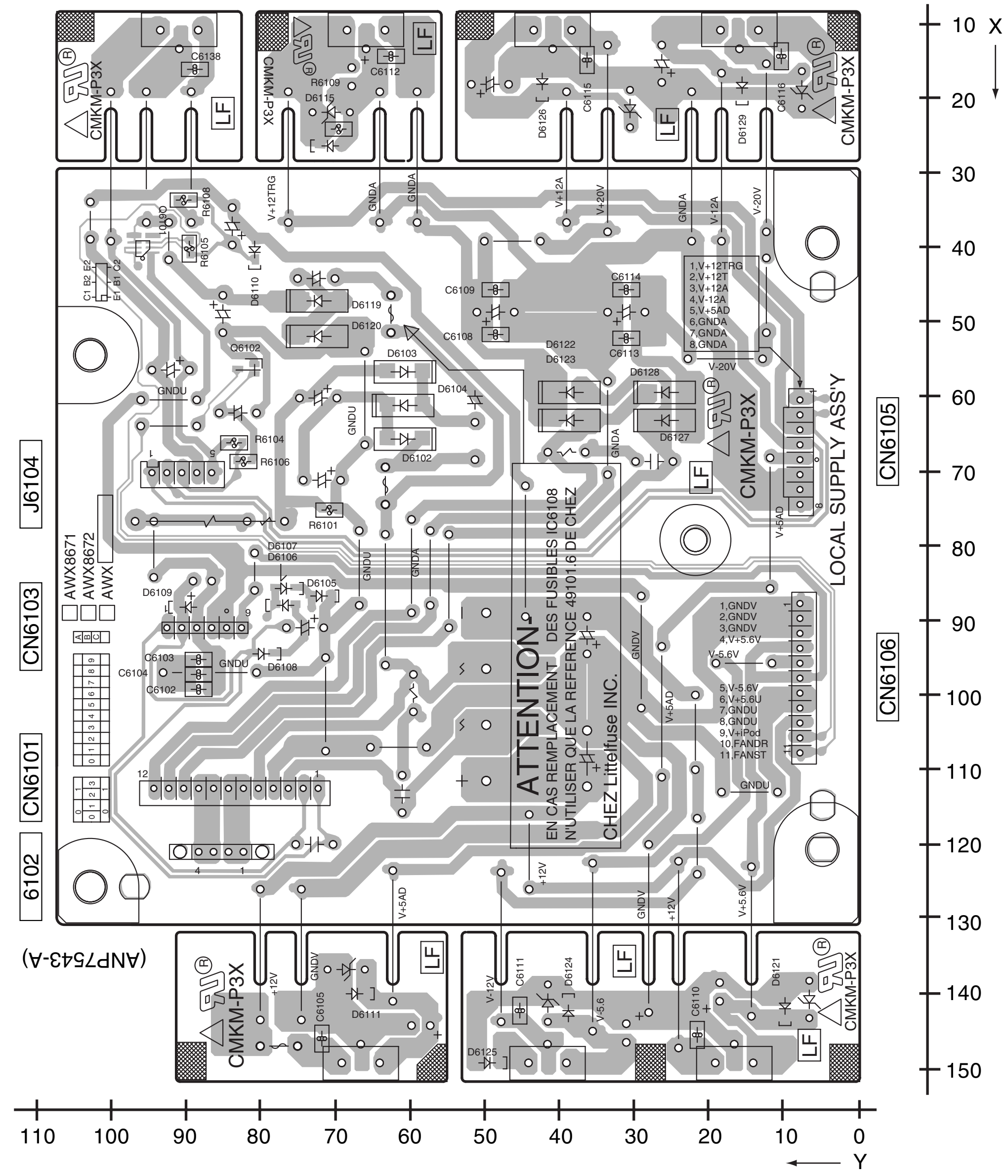
(ANP7543-A)

T DC/DC ASSY

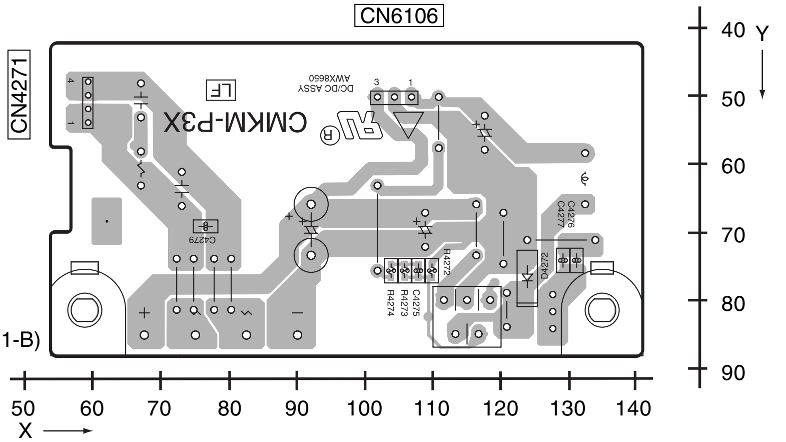

N J4308
CN6106
CN4271
S 6102
Y
X
40 50 60 70 80 90
140 130 120 110 100 90 80 70 60
CMKM-P3X
DC/DC ASSY
AWX8650
BOND
CN4272
1.V+5D
2.GNDD
3.V-12UN
1.DREG
2.DREG
3.DREG
4.DREG
C4271
C4272
C4273
C4274
C4278
D4271
IC4271
L4271
KN4271
R4271

(ANP7541-B)

S LOCAL SUPPLY ASSY

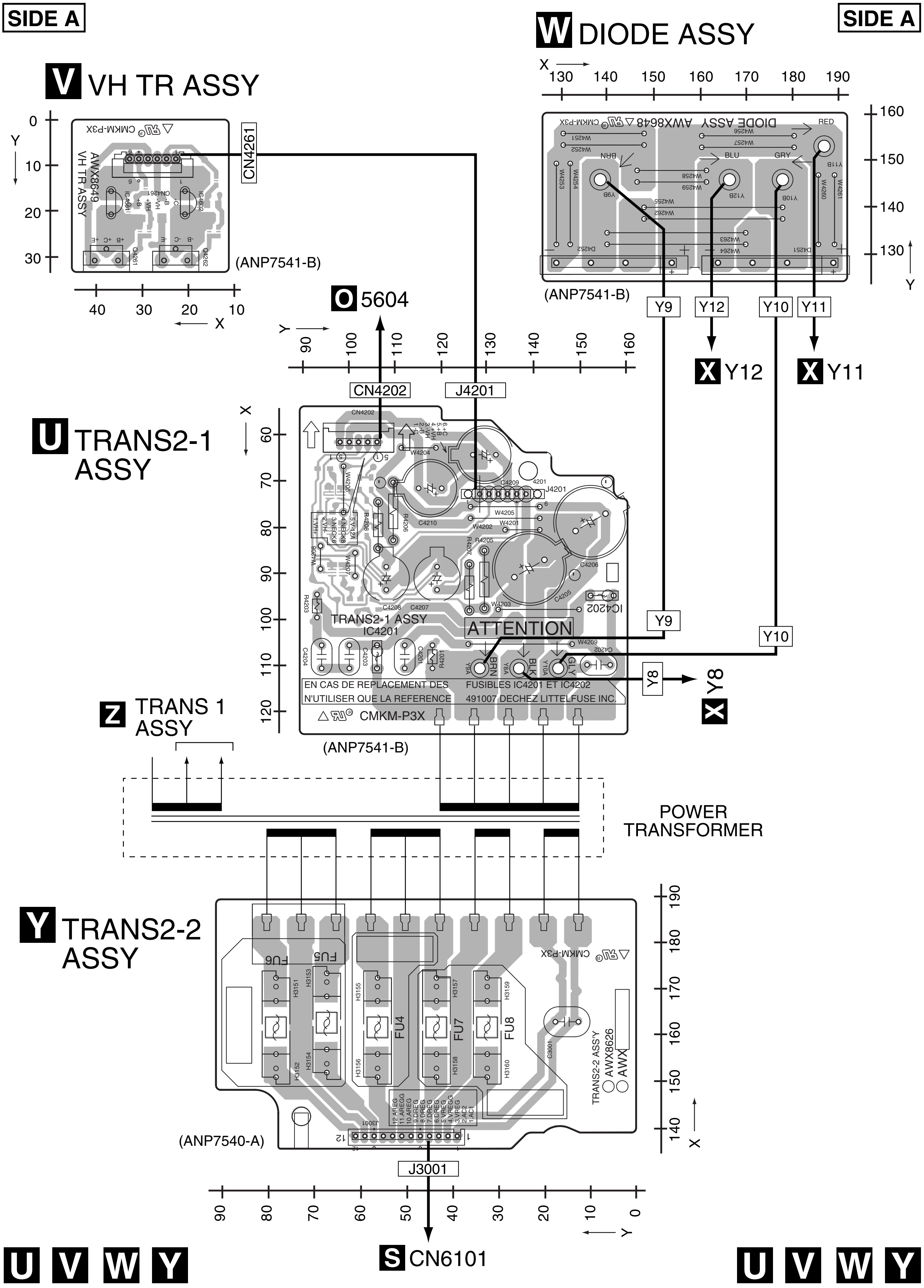

CMKM-P3X
LF
C6138
C6112
R6109
D6115
D6126
C6115
D6129
C6116
V+12TRG
GNDA
V+12A
V-20V
V-12A
R6108
R6105
C1 B2 E2
E1 B1 C2
D6110
D6119
D6120
D6103
D6104
D6102
Q6102
C6109
C6108
C6114
C6113
D6122
D6123
D6128
D6127
1,V+12TRG
2,V+12T
3,V+12A
4,V-12A
5,V+5AD
6,GNDA
7,GNDA
8,GNDA
GNDU
R6104
R6106
R6101
D6107
D6106
D6105
D6109
D6108
C6103
C6104
C6102
ATTENTION
EN CAS REMPLACEMENT DES FUSIBLES IC6108
N'UTILISER QUE LA REFERENCE 49101.6 DE CHEZ
CHEZ Littelfuse INC.
LOCAL SUPPLY ASS'Y
1,GNDV
2,GNDV
3,GNDV
4,V+5.6V
V-5.6V
5,V-5.6V
6,V+5.6U
7,GNDU
8,GNDU
9,V+iPod
10,FANDR
11,FANST
GNDV
V+5AD
+12V
V+5.6V
V-12V
C6111
D6124
V-5.6
C6110
D6121
C6105
D6111
D6125
(ANP7543-A)
J6104
CN6103
CN6101
6102
AWX8671
AWX8672
AWX
CN6105
CN6106
10 20 30 40 50 60 70 80 90 100 110 120 130 140 150
X
110 100 90 80 70 60 50 40 30 20 10 0
Y

T DC/DC ASSY


CN6106
CN4271
DC/DC ASSY
AWX8650
LF
CMKM-P3X
C4279
C4276
C4277
R4272
C4275
R4273
R4274
D4272
40 50 60 70 80 90
Y
50 60 70 80 90 100 110 120 130 140
X

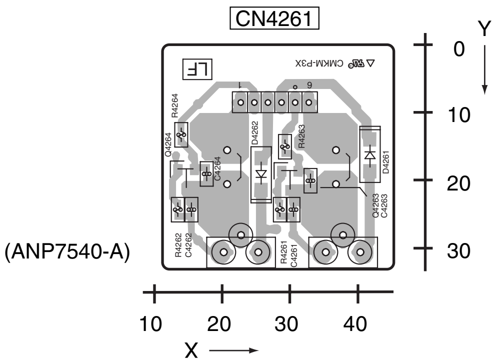
(ANP7541-B)

4.17 TRANS2-1, VH TR, DIODE and TRANS2-2 ASSYS

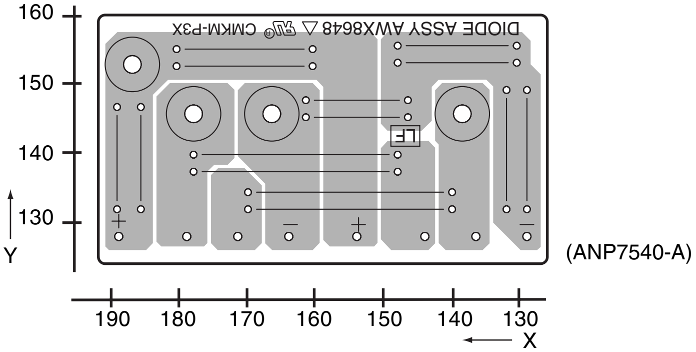

SIDE A
V VH TR ASSY
AWX8649
VH TR ASSY
CMKM-P3X
CN4261
IC4601
IC4602
Q4261
Q4262
(ANP7541-B)
Y 0 10 20 30
40 30 20 10 X
W DIODE ASSY
X 130 140 150 160 170 180 190
DIODE ASSY AWX8648 CMKM-P3X
RED
BRN
BLU
GRY
Y9B Y12B Y10B Y11B
W4251 W4252 W4253 W4254 W4255 W4256 W4257 W4258 W4259 W4260 W4261 W4262 W4263 W4264
D4251 D4252
160 150 140 130 Y
(ANP7541-B)
Y9 Y12 Y10 Y11
X Y12
X Y11
O 5604
Y 90 100 110 120 130 140 150 160
CN4202
J4201
U TRANS2-1 ASSY
X 60 70 80 90 100 110 120
C4201 C4202 C4203 C4204 C4205 C4206 C4207 C4208 C4209 C4210
R4201 R4203 R4205 R4206 R4207 R4208
W4201 W4202 W4203 W4204 W4205 W4206 W4207 W4208 W4209
IC4202
TRANS2-1 ASSY
IC4201
ATTENTION
BRN BLK GLY
Y9A Y8A Y10A
EN CAS DE REPLACEMENT DES FUSIBLES IC4201 ET IC4202
N'UTILISER QUE LA REFERENCE 491007 DECHEZ LITTELFUSE INC.
CMKM-P3X
(ANP7541-B)
Y9
Y10
Y8
X Y8
Z TRANS 1 ASSY
POWER TRANSFORMER
Y TRANS2-2 ASSY
FU4 FU5 FU6 FU7 FU8
H3151 H3152 H3153 H3154 H3155 H3156 H3157 H3158 H3159 H3160
C3001
CMKM-P3X
TRANS2-2 ASSY
AWX8626
AWX
J3001
12 AREG
11 AREGG
10 AREG
9 DREG
8 DREG
7 DREG
6 DREG
5 VREG
4 VREGG
3 VREG
2 AC2
1 AC1
(ANP7540-A)
190 180 170 160 150 140 X
J3001
90 80 70 60 50 40 30 20 10 0
Y
S CN6101
U V W Y
U V W Y

SIDE B **SIDE B**

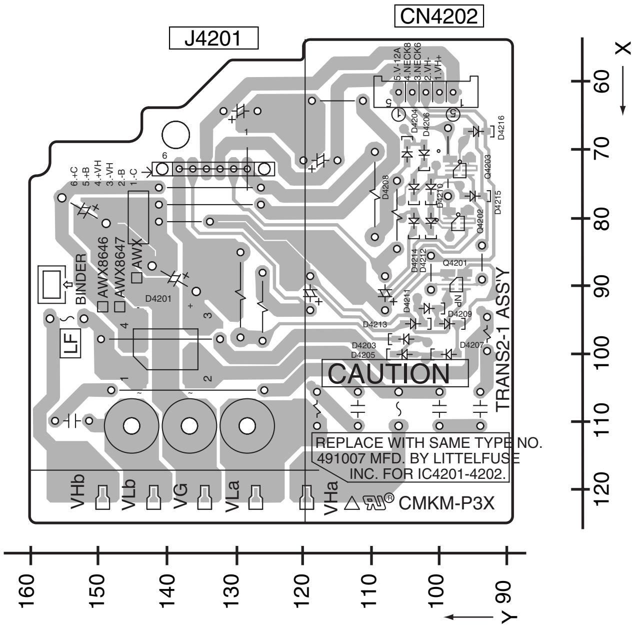
V VH TR ASSY


CN4261
LF
CMKM-P3X
R4264
Q4264
D4262
R4263
D4261
C4264
Q4263
C4263
R4262
C4262
R4261
C4261
(ANP7540-A)
Y
0
10
20
30
10
20
30
40
X

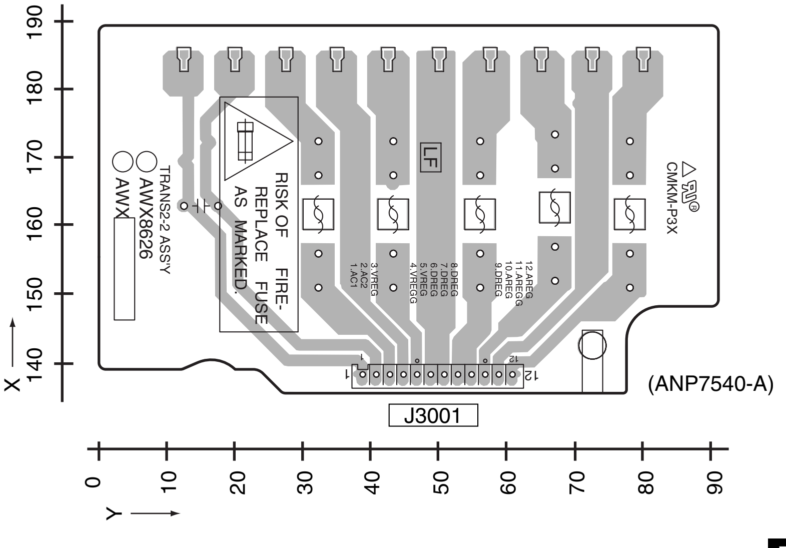
W DIODE ASSY


DIODE ASSY AWX8648 CMKM-P3X
LF
160
150
140
130
Y
(ANP7540-A)
190
180
170
160
150
140
130
X

U TRANS2-1 ASSY


J4201
CN4202
5.V-12A
4.NEC6
3.NEC6
2.VH-
1.VH+
6.+C
5.+B
4.+VH
3.-VH
2.-B
1.-C
D4204
D4206
D4216
D4208
D4210
Q4203
D4215
Q4202
D4214
D4212
Q4201
D4211
D4209
D4213
D4203
D4205
D4207
D4201
BINDER
AWX8646
AWX8647
AWX
LF
CAUTION
TRANS2-1 ASS'Y
REPLACE WITH SAME TYPE NO.
491007 MFD. BY LITTELFUSE
INC. FOR IC4201-4202.
VHb
VLb
VG
VLa
VHa
CMKM-P3X
60
70
80
90
100
110
120
X
160
150
140
130
120
110
100
90
Y

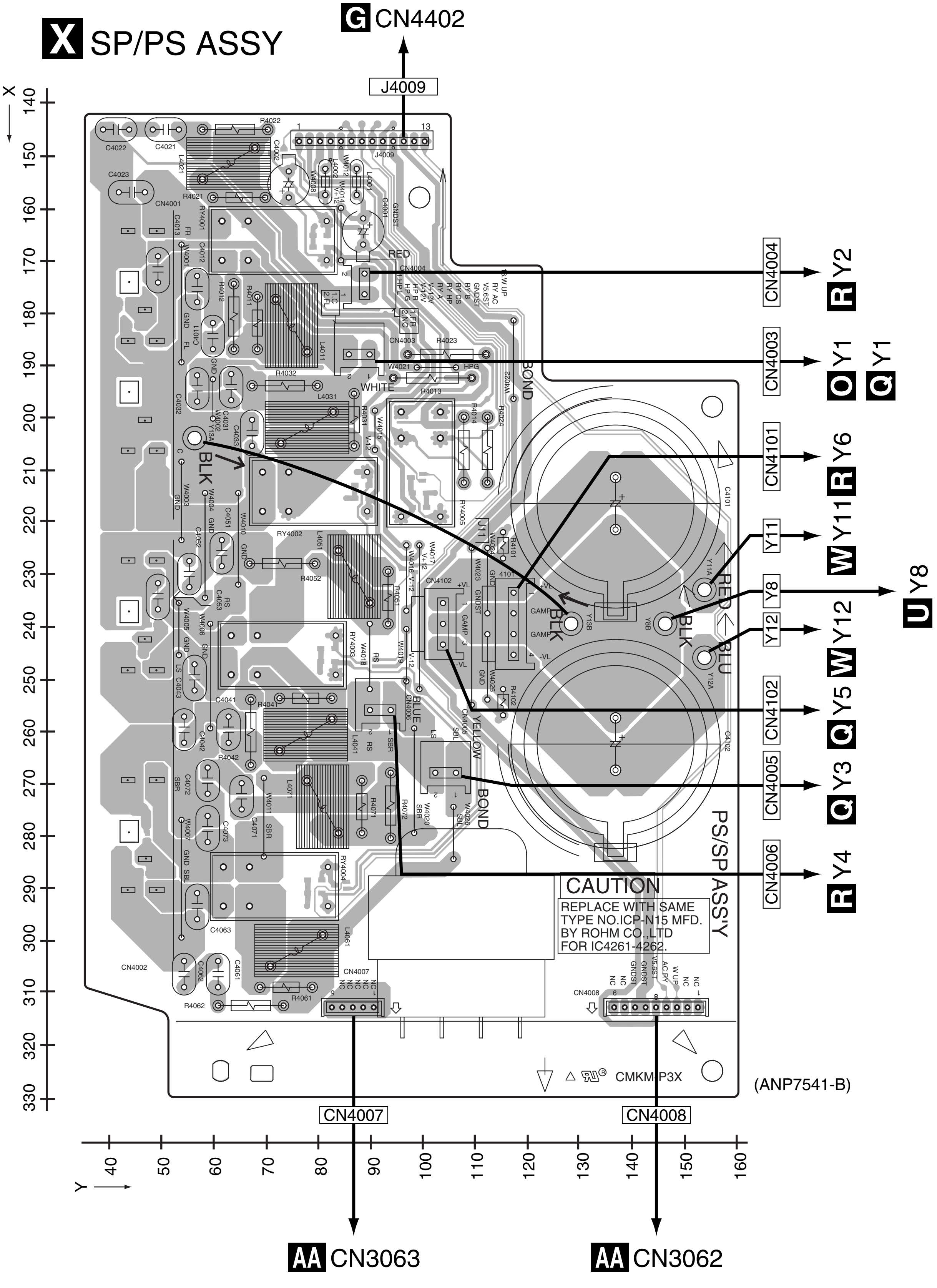
Y TRANS2-2 ASSY


RISK OF FIRE-
REPLACE FUSE
AS MARKED.
TRANS2-2 ASS'Y
AWX8626
AWX
LF
CMKM-P3X
1.AC1
2.AC2
3.VREG
4.VREG
5.VREG
6.DREG
7.DREG
8.DREG
9.DREG
10.AREG
11.AREG
12.AREG
1
12
J3001
(ANP7540-A)
190
180
170
160
150
140
X
0
10
20
30
40
50
60
70
80
90
Y

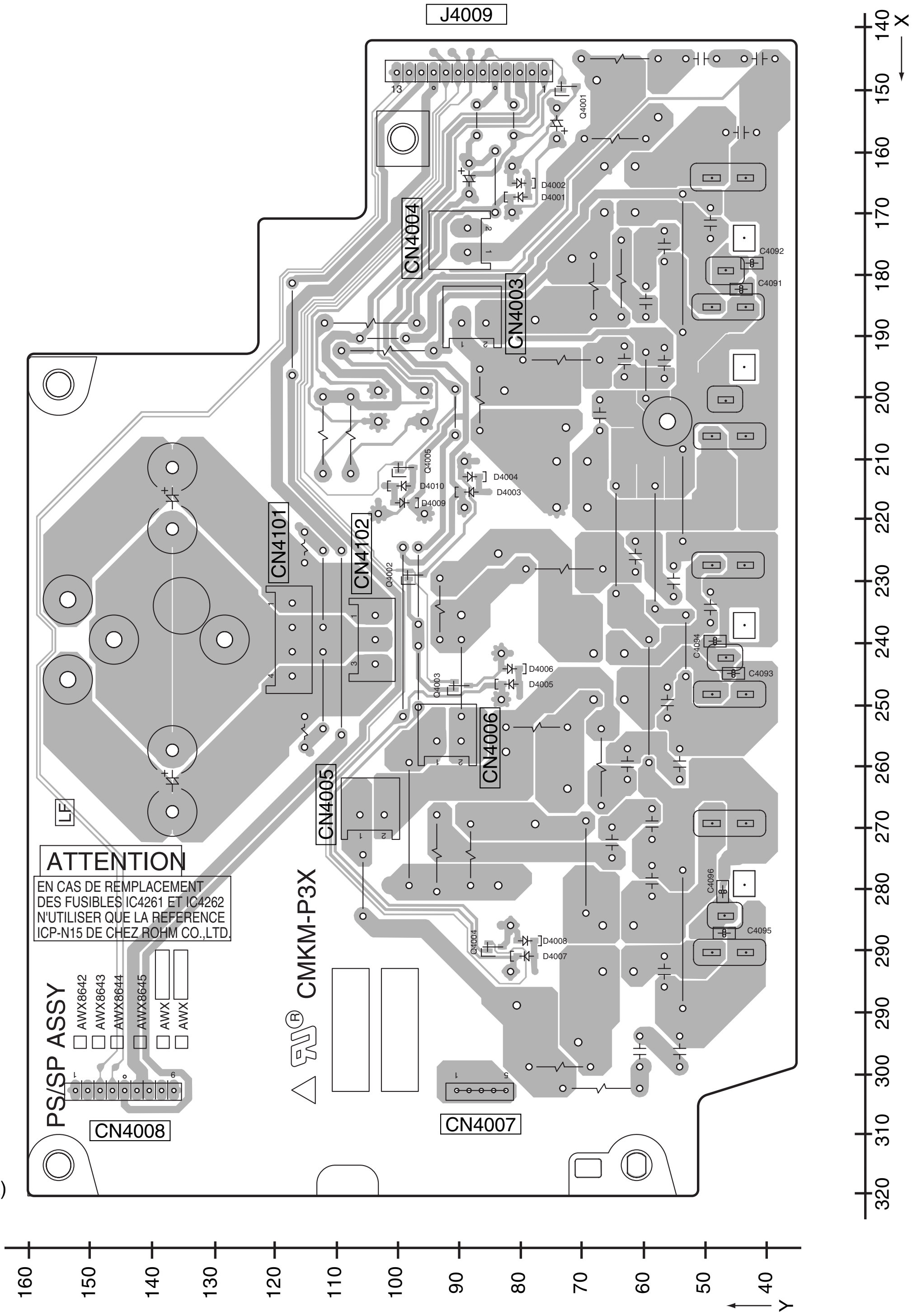
U **V** **W** **Y** **U** **V** **W** **Y**

4.18 SP/PS ASSY

SIDE A **SIDE A**


X SP/PS ASSY
G CN4402
J4009
CN4004 R Y2
CN4003 O Y1 Q Y1
CN4101 R Y6
Y11 W Y11
Y8 U Y8
Y12 W Y12
CN4102 Q Y5
CN4005 Q Y3
CN4006 R Y4
CN4007
CN4008
AA CN3063
AA CN3062
RED
WHITE
BLK
BLUE
YELLOW
BOND
RED
BLK
BLU
PS/SP ASS'Y
CAUTION
REPLACE WITH SAME TYPE NO.ICP-N15 MFD. BY ROHM CO.,LTD FOR IC4261-4262.
CMKM P3X
(ANP7541-B)
X
140
150
160
170
180
190
200
210
220
230
240
250
260
270
280
290
300
310
320
330
Y
40
50
60
70
80
90
100
110
120
130
140
150
160

X SP/PS ASSY

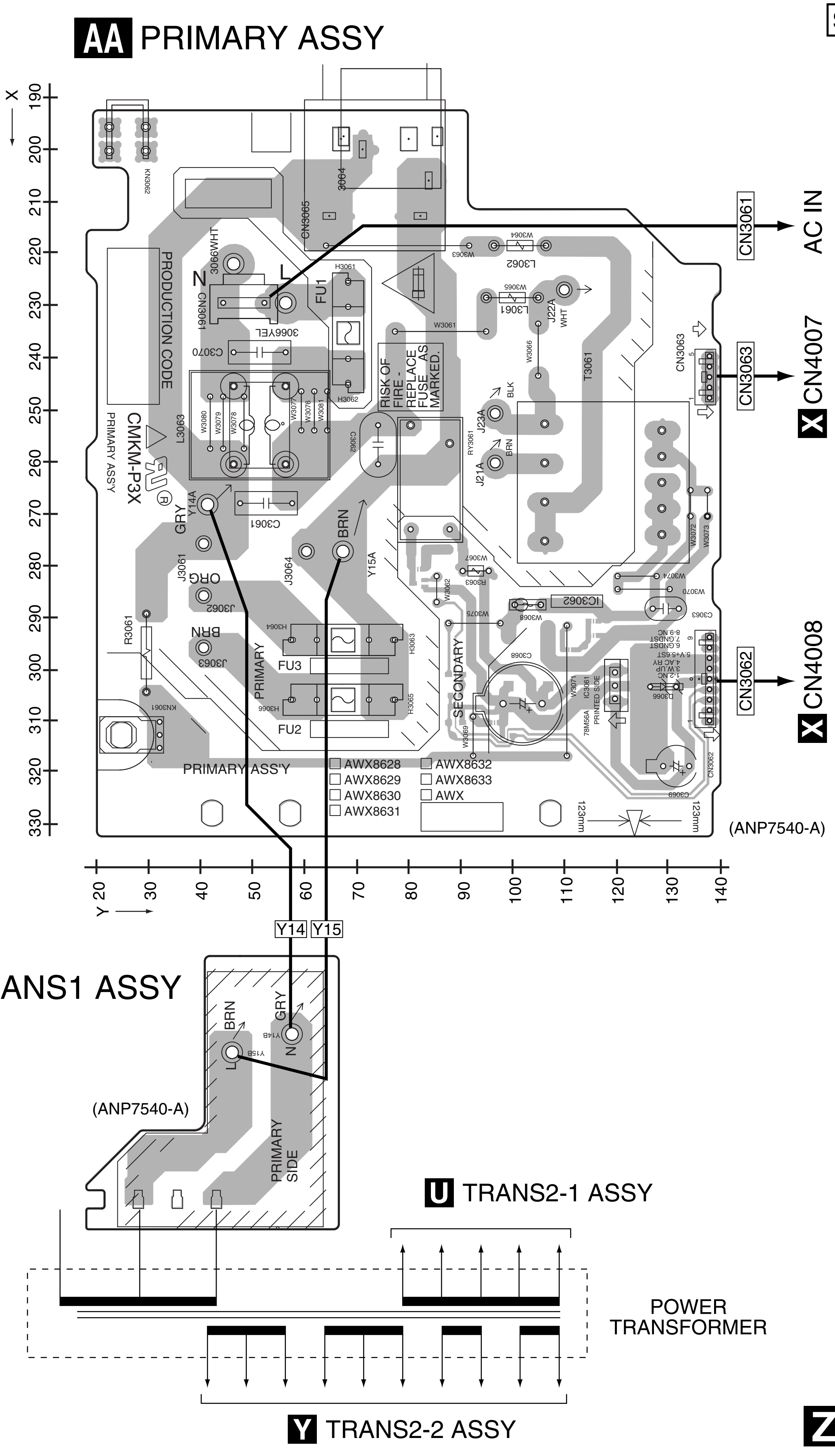

J4009
13
1
Q4001
D4002
D4001
CN4004
CN4003
C4092
C4091
Q4005
D4004
D4003
D4010
D4009
CN4101
CN4102
Q4002
Q4003
D4006
D4005
CN4006
C4094
C4093
CN4005
C4096
C4095
Q4004
D4008
D4007
LF
ATTENTION
EN CAS DE REMPLACEMENT
DES FUSIBLES IC4261 ET IC4262
N'UTILISER QUE LA REFERENCE
ICP-N15 DE CHEZ ROHM CO.,LTD.
PS/SP ASSY
☐ AWX8642
☐ AWX8643
☐ AWX8644
☐ AWX8645
☐ AWX
☐ AWX
CMKM-P3X
CN4008
CN4007
140
150
160
170
180
190
200
210
220
230
240
250
260
270
280
290
300
310
320
X
160
150
140
130
120
110
100
90
80
70
60
50
40
Y

(ANP7540-A)

4.19 TRANS1 and PRIMARY ASSYS

SIDE A

SIDE A

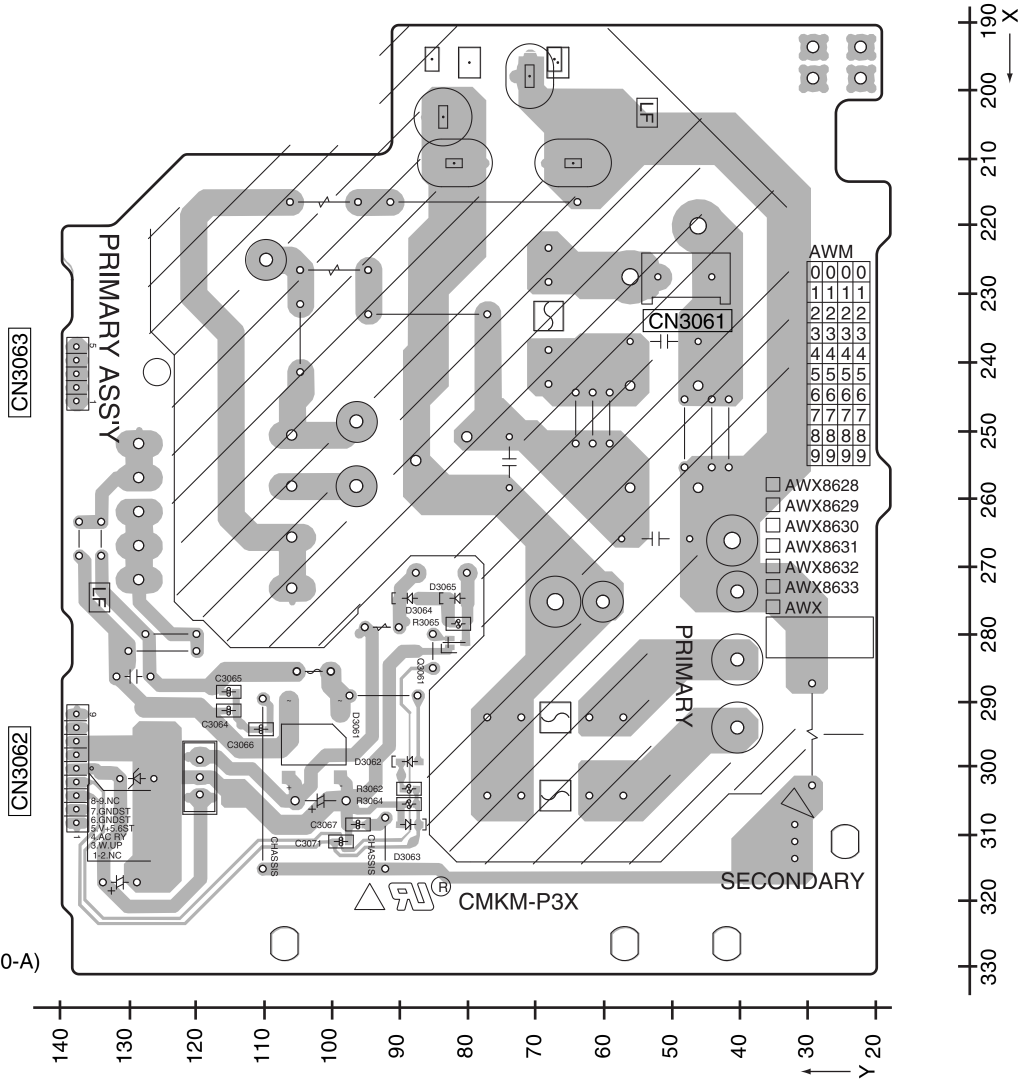

AA PRIMARY ASSY
X
190
200
210
220
230
240
250
260
270
280
290
300
310
320
330
KN3062
CN3065
3064
3066WHT
PRODUCTION CODE
N
L
CN3061
FU1
H3061
3066YEL
C3070
L3063
W3080
W3079
W3078
W3077
W3076
W3081
H3062
C3062
RISK OF FIRE - REPLACE FUSE AS MARKED.
CMKM-P3X
PRIMARY ASSY
GRY
Y14A
C3061
BRN
Y15A
J3061
ORG
J3062
J3064
BRN
J3063
R3061
KN3061
H3064
FU3
H3063
PRIMARY
H3066
FU2
H3065
SECONDARY
PRIMARY ASS'Y
W3064
W3063
L3062
W3065
L3061
J22A
WHT
W3061
W3066
T3061
BLK
J23A
RY3061
BRN
J21A
W3072
W3073
W3067
R3063
W3062
W3074
IC3062
W3070
W3075
W3068
C3063
C3068
W3071
IC3061
78M56A
PRINTED SIDE
D3066
W3069
C3069
CN3062
CN3063
1-2:NC
3:W.UP
4:AC RY
5:V+5.6ST
6:GNDST
7:GNDST
8-9:NC
CN3061
AC IN
CN3063
X CN4007
CN3062
X CN4008
■ AWX8628
☐ AWX8629
☐ AWX8630
☐ AWX8631
■ AWX8632
☐ AWX8633
☐ AWX
123mm
123mm
(ANP7540-A)
20
30
40
50
60
70
80
90
100
110
120
130
140
Y
Y14
Y15
Z TRANS1 ASSY
BRN
GRY
Y14B
Y15B
L
N
(ANP7540-A)
PRIMARY SIDE
U TRANS2-1 ASSY
POWER TRANSFORMER
Y TRANS2-2 ASSY

Z **AA**

Z **AA**

SIDE B **SIDE B**

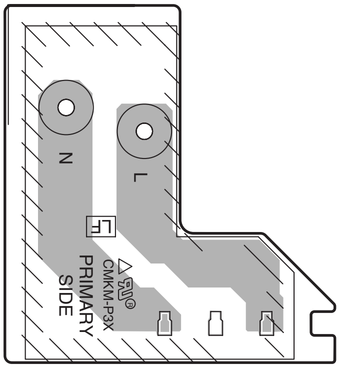
AA PRIMARY ASSY



PRIMARY ASS'Y
CN3063
CN3062
CN3061
LF
AWM
0000
1111
2222
3333
4444
5555
6666
7777
8888
9999
☐ AWX8628
☐ AWX8629
☐ AWX8630
☐ AWX8631
☐ AWX8632
☐ AWX8633
☐ AWX
D3065
D3064
R3065
Q3061
C3065
C3064
C3066
D3061
D3062
R3062
R3064
C3067
C3071
D3063
CHASSIS
CHASSIS
8-9.NC
7.GNDST
6.GNDST
5.V+5.6ST
4.AC RY
3.W.UP
1-2.NC
PRIMARY
SECONDARY
CMKM-P3X
190
200
210
220
230
240
250
260
270
280
290
300
310
320
330
X
140
130
120
110
100
90
80
70
60
50
40
30
20
Y

(ANP7540-A)

Z TRANS1 ASSY

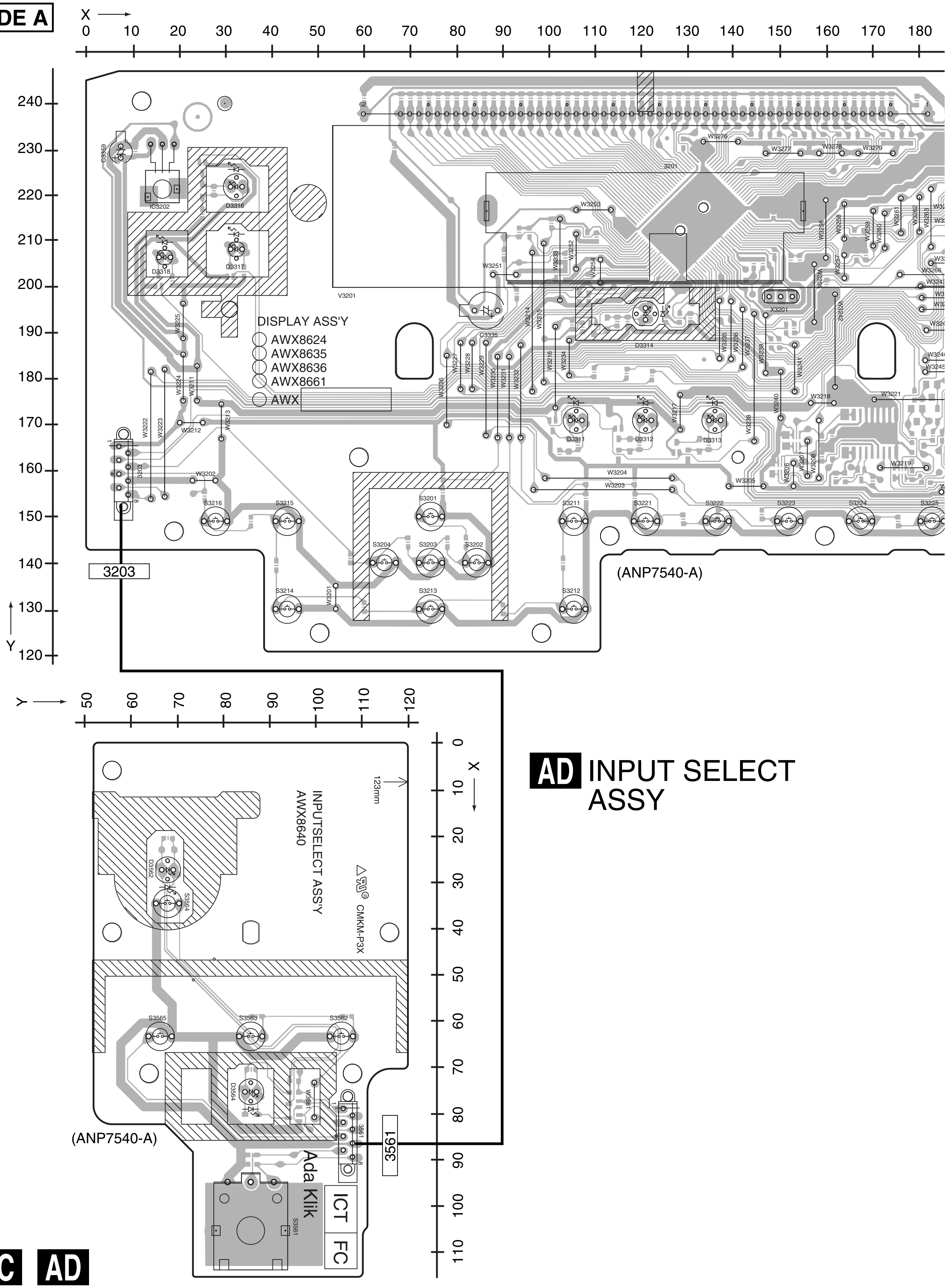


N
L
LF
CMKM-P3X
PRIMARY SIDE

(ANP7540-A)

4.20 VOLUME, DISPLAY and INPUT SELECT ASSYS

SIDE A


X
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
160
170
180
240
230
220
210
200
190
180
170
160
150
140
130
120
Y
A
B
C
D
E
F
C3359
IC3202
D3316
D3317
D3318
DISPLAY ASS'Y
AWX8624
AWX8635
AWX8636
AWX8661
AWX
V3201
3201
C3335
D3314
X3201
D3311
D3312
D3313
W3201
W3202
W3203
W3204
W3205
W3211
W3212
W3213
W3218
W3219
W3221
W3222
W3223
W3224
W3225
W3251
W3253
W3276
W3277
W3278
W3279
S3201
S3202
S3203
S3204
S3211
S3212
S3213
S3214
S3215
S3216
S3221
S3222
S3223
S3224
S3225
3203
(ANP7540-A)
INPUTSELECT ASS'Y
AWX8640
123mm
CMKM-P3X
D3562
S3564
S3565
S3563
S3562
D3564
W3561
S3561
3561
(ANP7540-A)
Ada Klik
ICT
FC

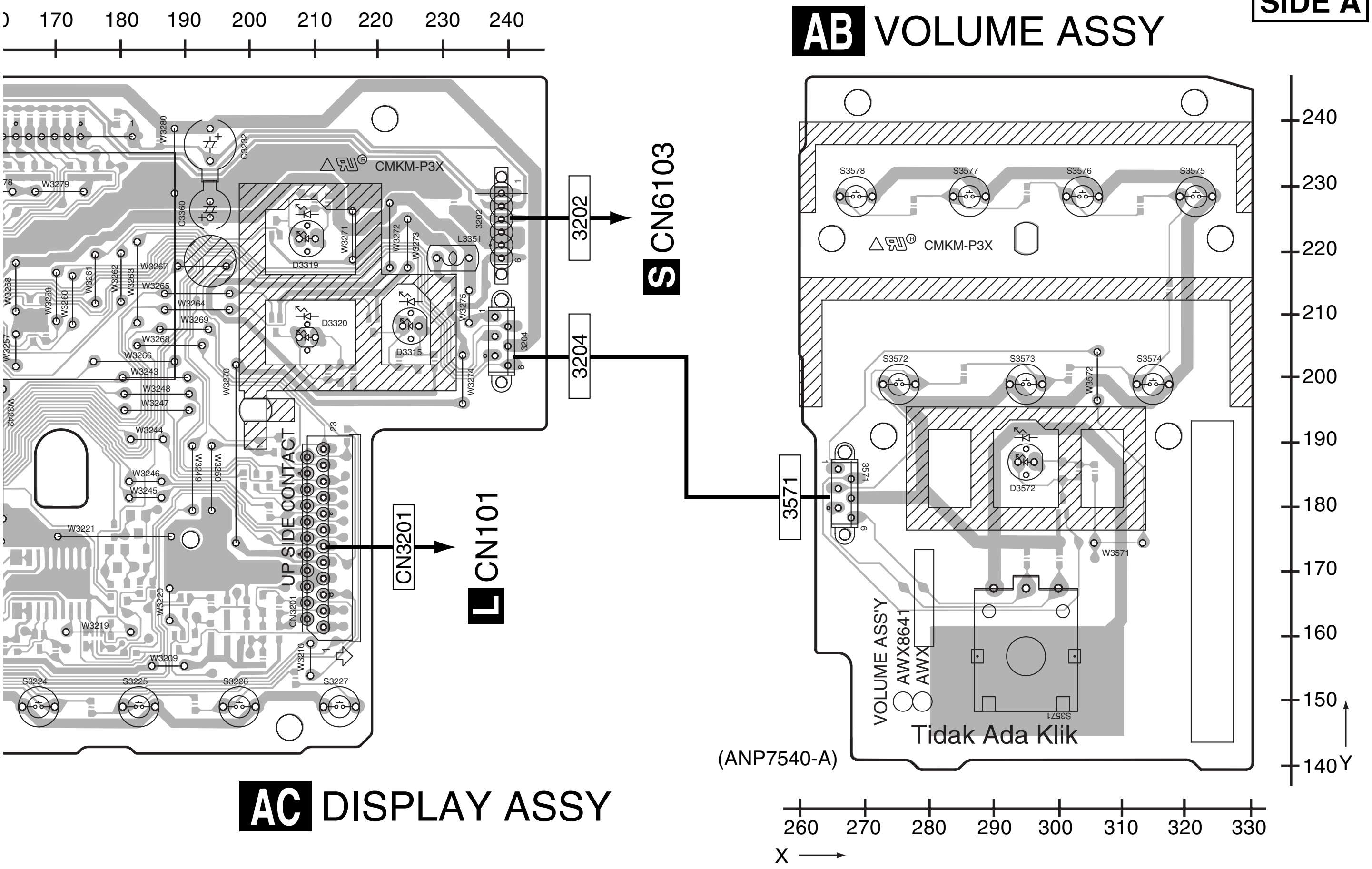
AD INPUT SELECT ASSY

AC **AD**

SIDE A

AB VOLUME ASSY

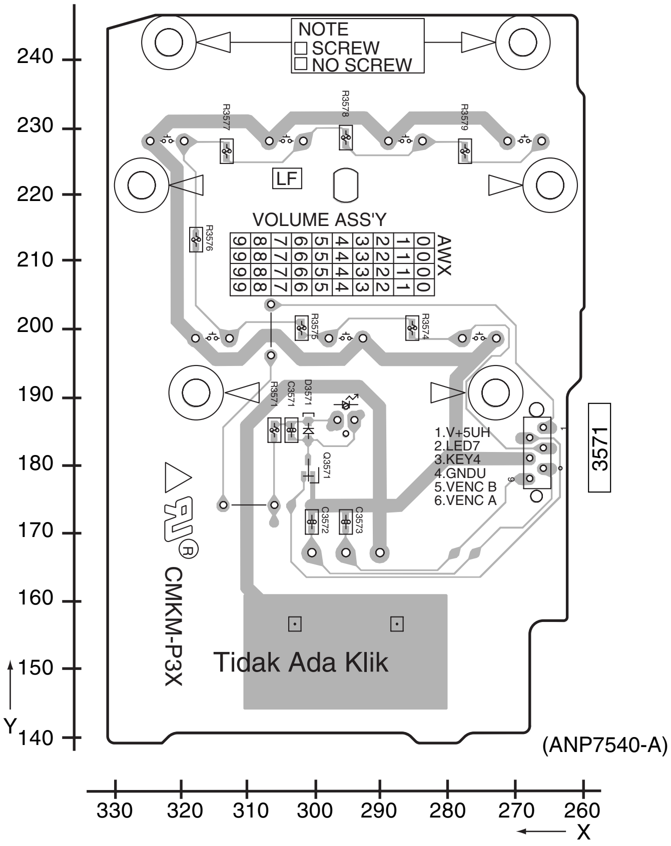
AC DISPLAY ASSY

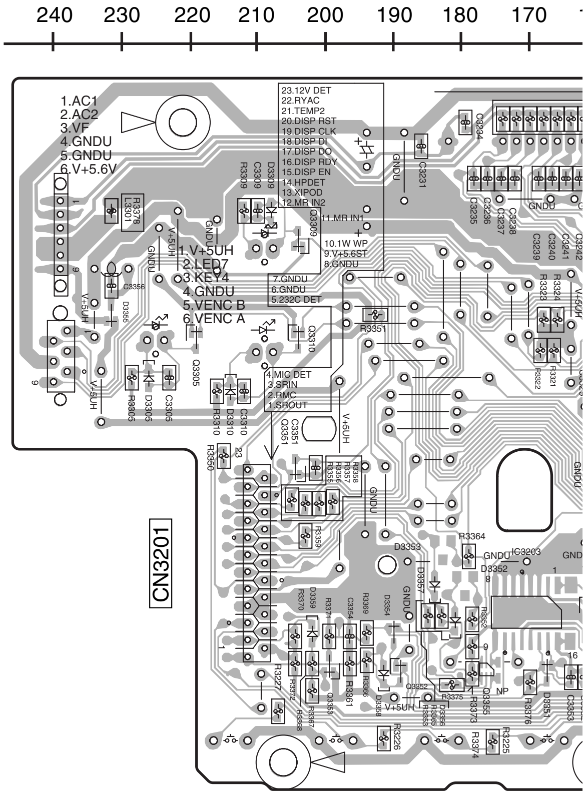


170
180
190
200
210
220
230
240
CMKM-P3X
C3282
W3280
W3279
C3360
D3319
W3271
W3272
W3273
L3351
3202
3202
CN6103
S
D3320
D3315
W3275
3204
3204
W3274
W3270
W3267
W3265
W3264
W3269
W3268
W3266
W3243
W3248
W3247
W3244
W3246
W3245
W3249
W3250
W3258
W3259
W3260
W3261
W3262
W3263
W3257
W3242
W3221
W3220
W3219
W3209
W3210
UP SIDE CONTACT
CN3201
CN3201
CN101
L
S3224
S3225
S3226
S3227
S3578
S3577
S3576
S3575
CMKM-P3X
S3572
S3573
S3574
W3572
3571
3571
D3572
W3571
VOLUME ASS'Y
AWX8641
AWX
S3571
Tidak Ada Klik
(ANP7540-A)
240
230
220
210
200
190
180
170
160
150
140
Y
260
270
280
290
300
310
320
330
X

SIDE B

AB VOLUME ASSY

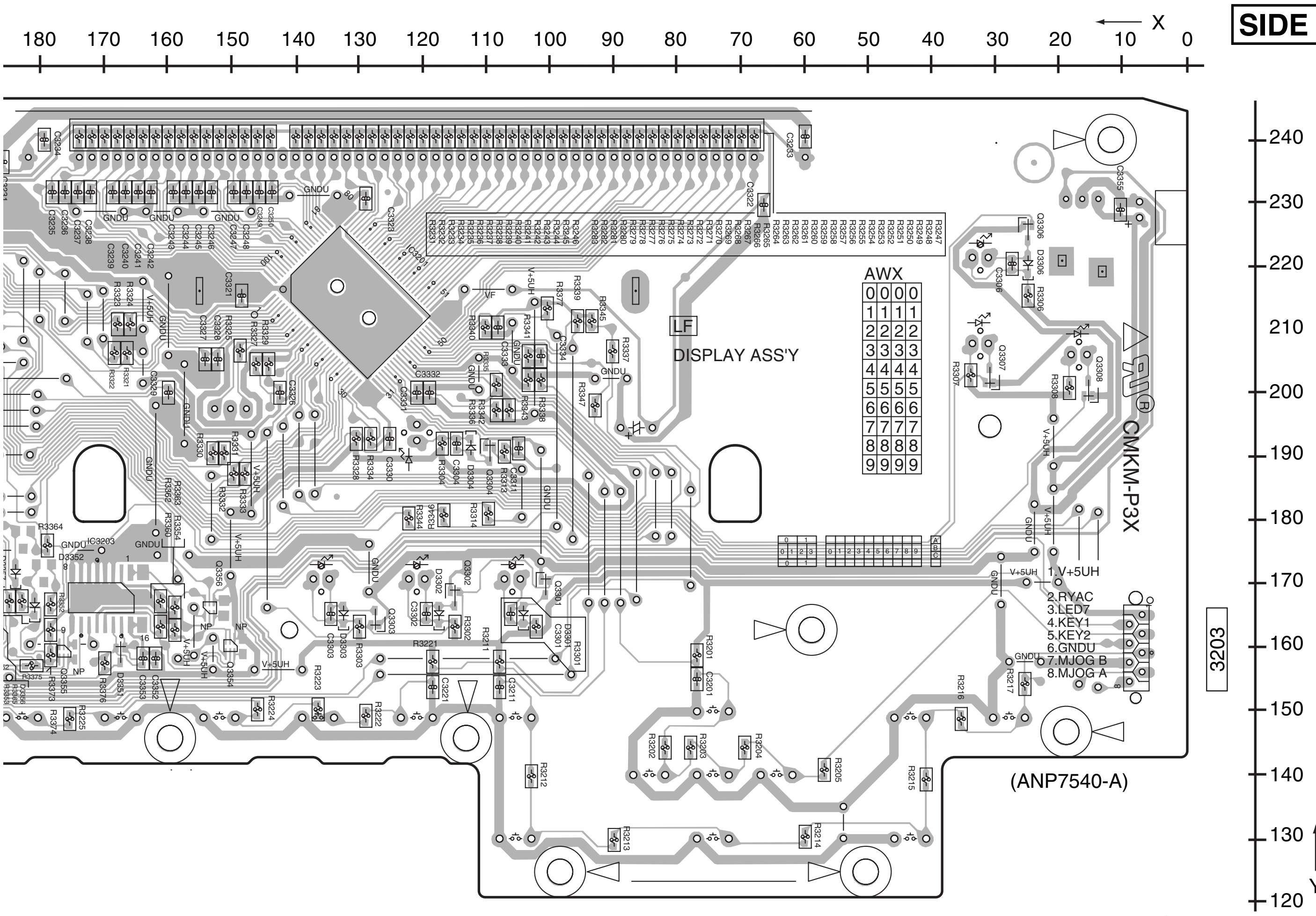

NOTE
☐ SCREW
☐ NO SCREW
LF
VOLUME ASS'Y
AWX
R3577
R3578
R3579
R3576
R3575
R3574
R3571
C3571
D3571
Q3571
C3572
C3573
1.V+5UH
2.LED7
3.KEY4
4.GNDU
5.VENC B
6.VENC A
3571
CMKM-P3X
Tidak Ada Klik
(ANP7540-A)
240
230
220
210
200
190
180
170
160
150
140
Y
330
320
310
300
290
280
270
260
X


240
230
220
210
200
190
180
170
1.AC1
2.AC2
3.VF
4.GNDU
5.GNDU
6.V+5.6V
23.12V DET
22.RYAC
21.TEMP2
20.DISP RST
19.DISP CLK
18.DISP DI
17.DISP DO
16.DISP RDY
15.DISP EN
14.HPDET
13.XIPOD
12.MR IN2
11.MR IN1
10.1W WP
9.V+5.6ST
8.GNDU
7.GNDU
6.GNDU
5.232C DET
4.MIC DET
3.SRIN
2.RMC
1.SROUT
1.V+5UH
2.LED7
3.KEY4
4.GNDU
5.VENC B
6.VENC A
3202
3204
CN3201
IC3203
Q3305
Q3309
Q3310
Q3351
Q3355
D3305
D3309
D3310
D3352
D3353
D3357
R3305
R3309
R3310
R3350
R3351
R3364
R3369
R3373
R3374
R3375
R3376
R3225
R3226
R3227
C3231
C3234
C3305
C3309
C3310
C3351
C3352
C3353
C3356
GNDU
V+5UH
NP

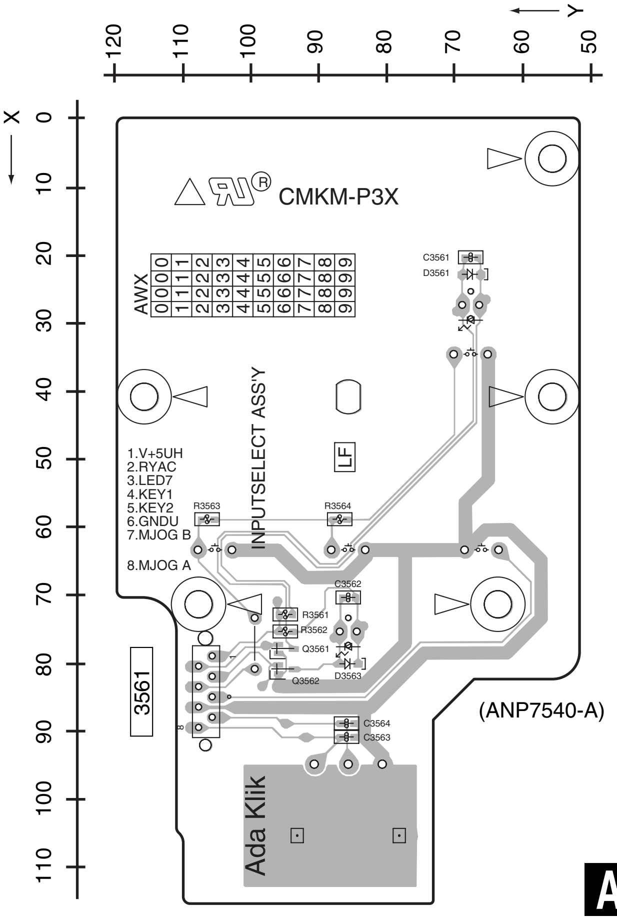
AC DISPLAY ASSY

AB AC

SIDE B

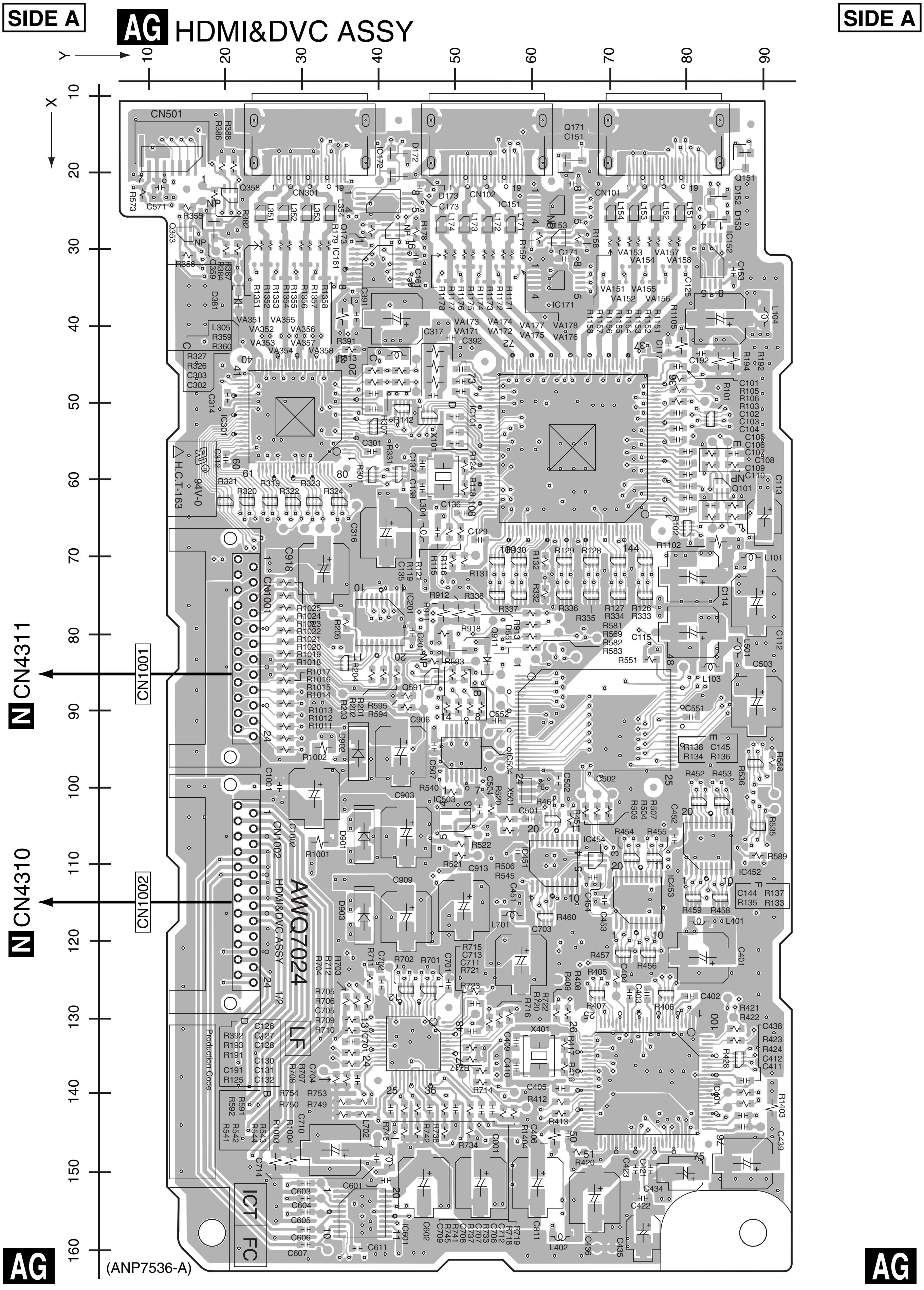

DISPLAY ASS'Y
CMKM-P3X
AWX
LF
1.V+5UH
2.RYAC
3.LED7
4.KEY1
5.KEY2
6.GNDU
7.MJOG B
8.MJOG A
3203
(ANP7540-A)
X
Y

AD INPUT SELECT ASSY


CMKM-P3X
AWX
INPUTSELECT ASS'Y
LF
1.V+5UH
2.RYAC
3.LED7
4.KEY1
5.KEY2
6.GNDU
7.MJOG B
8.MJOG A
3561
Ada Klik
(ANP7540-A)
X
Y

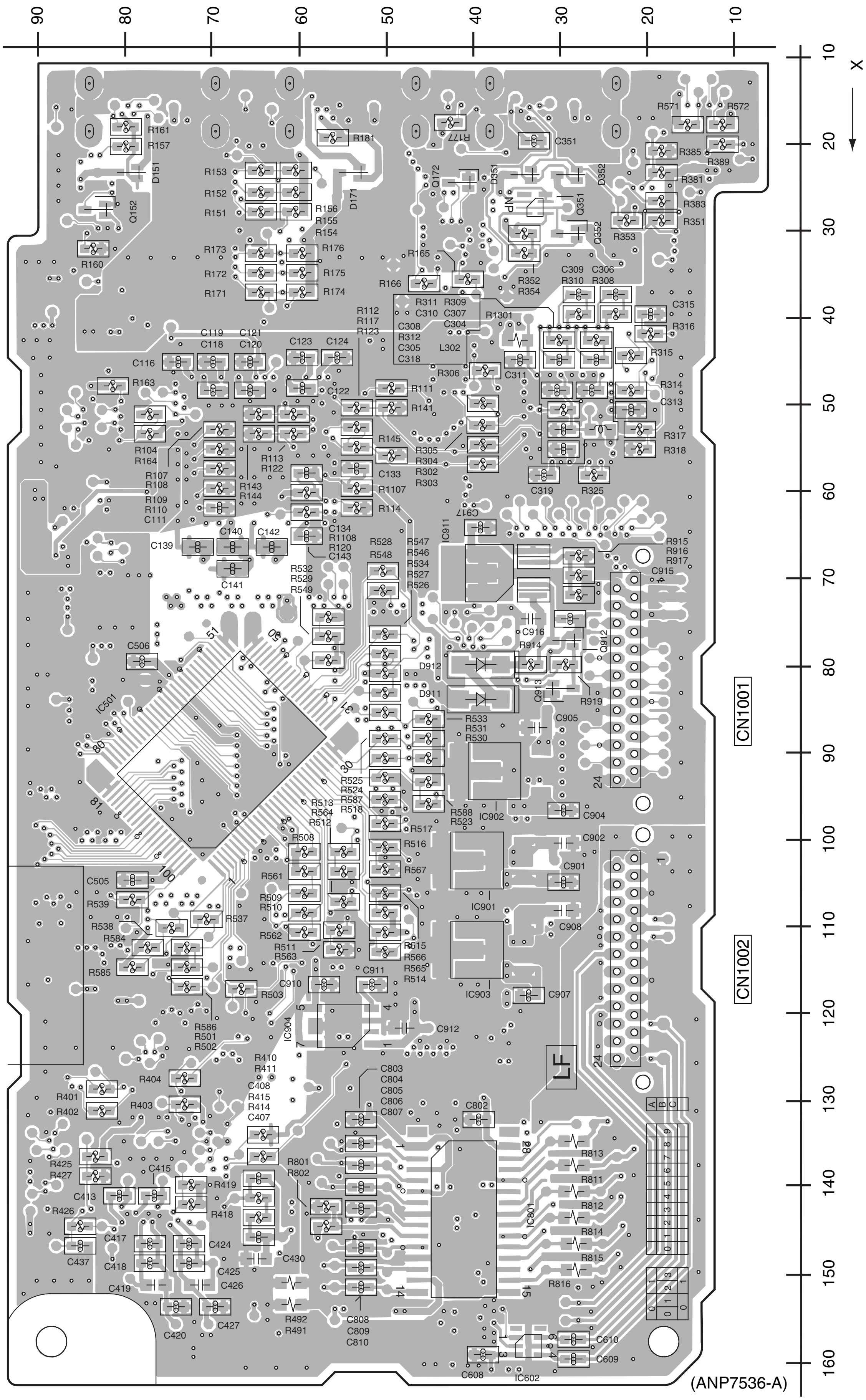
AC AD

4.21 HDMI&DVC ASSY


SIDE A
AG HDMI&DVC ASSY
SIDE A
Y
X
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
160
CN501
CN301
CN102
CN101
CN1001
CN1002
N CN4311
N CN4310
AWQ7024
HDMI&DVC ASSY
H.C.T-163
94V-0
Production Code
LF
ICT
FC
AG
(ANP7536-A)
AG

SIDE B **SIDE B**

AG HDMI&DVC ASSY


Y
X
90
80
70
60
50
40
30
20
10
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
160
R571
R572
R161
R157
R181
R177
C351
R385
R389
D151
R153
R152
R151
D171
Q172
D351
Q351
D352
R381
R383
R351
Q152
R156
R155
R154
Q352
R353
R160
R173
R172
R171
R176
R175
R174
R165
R166
R352
R354
C309
R310
C306
R308
R311
C310
R309
C307
C304
R1301
C315
R316
R112
R117
R123
C308
R312
C305
C318
L302
R315
C119
C118
C121
C120
C123
C124
C116
R306
C311
R314
C313
R163
C122
R111
R141
R145
R317
R318
R104
R164
R113
R122
R305
R304
R302
R303
C133
R1107
R114
C319
R325
R107
R108
R109
R110
C111
R143
R144
C917
C911
C140
C142
C139
C134
R1108
R120
C143
R528
R548
R547
R546
R534
R527
R526
R915
R916
R917
C915
C141
R532
R529
R549
51
50
C916
R914
Q912
C506
D912
D911
Q913
R919
IC501
31
C905
R533
R531
R530
80
30
81
R525
R524
R587
R518
R513
R564
R512
R588
R523
IC902
C904
24
R517
R508
R516
C902
C901
1
100
R561
R567
C505
R539
R509
R510
IC901
R538
R584
R537
R562
C908
R585
R511
R563
R515
R566
R565
R514
C910
C911
R503
IC903
C907
CN1001
CN1002
5
4
IC904
C912
R586
R501
R502
8
1
LF
24
R410
R411
C408
R415
R414
C407
R404
C803
C804
C805
C806
C807
C802
R401
R402
R403
A
B
C
28
R813
R811
R812
R814
R815
R816
R425
R427
C415
R801
R802
R419
C413
R426
R418
IC801
C417
C437
C418
C424
C425
C426
C430
C419
14
15
C427
C420
R492
R491
C808
C809
C810
C608
IC602
C610
C609
(ANP7536-A)
AG

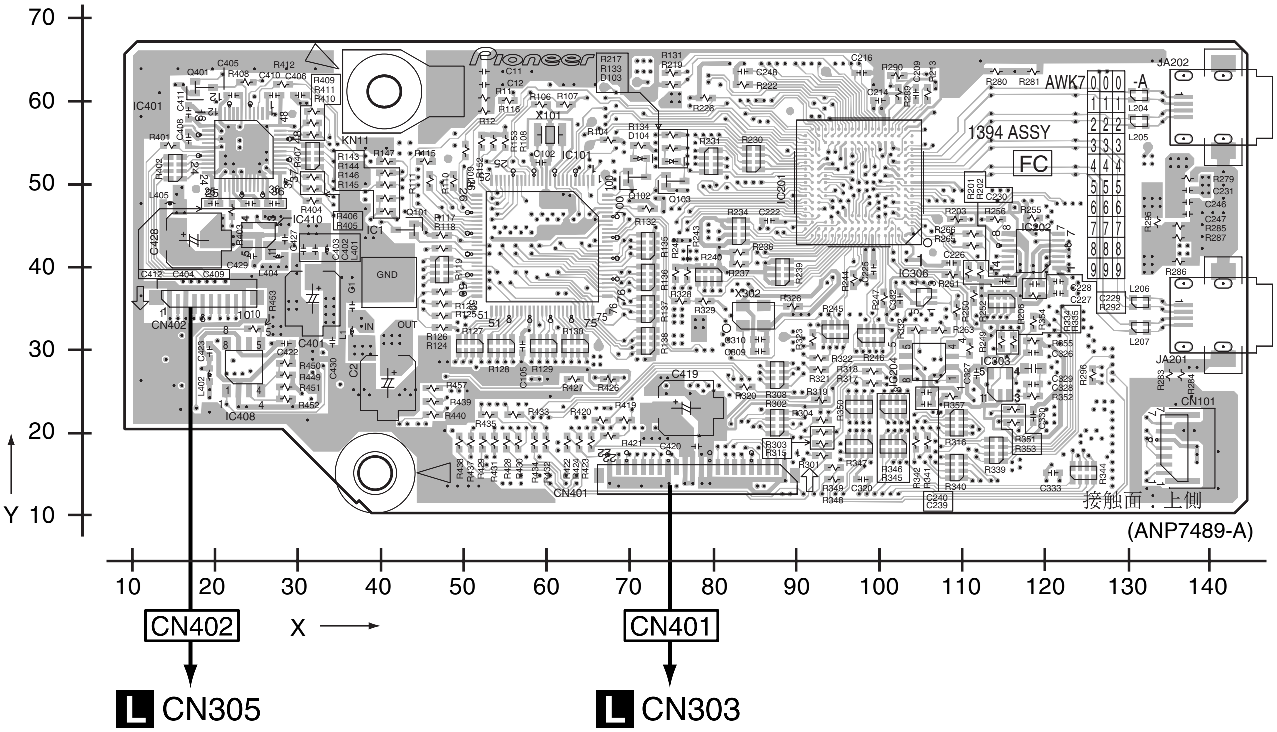
A B C D E F

AG AG

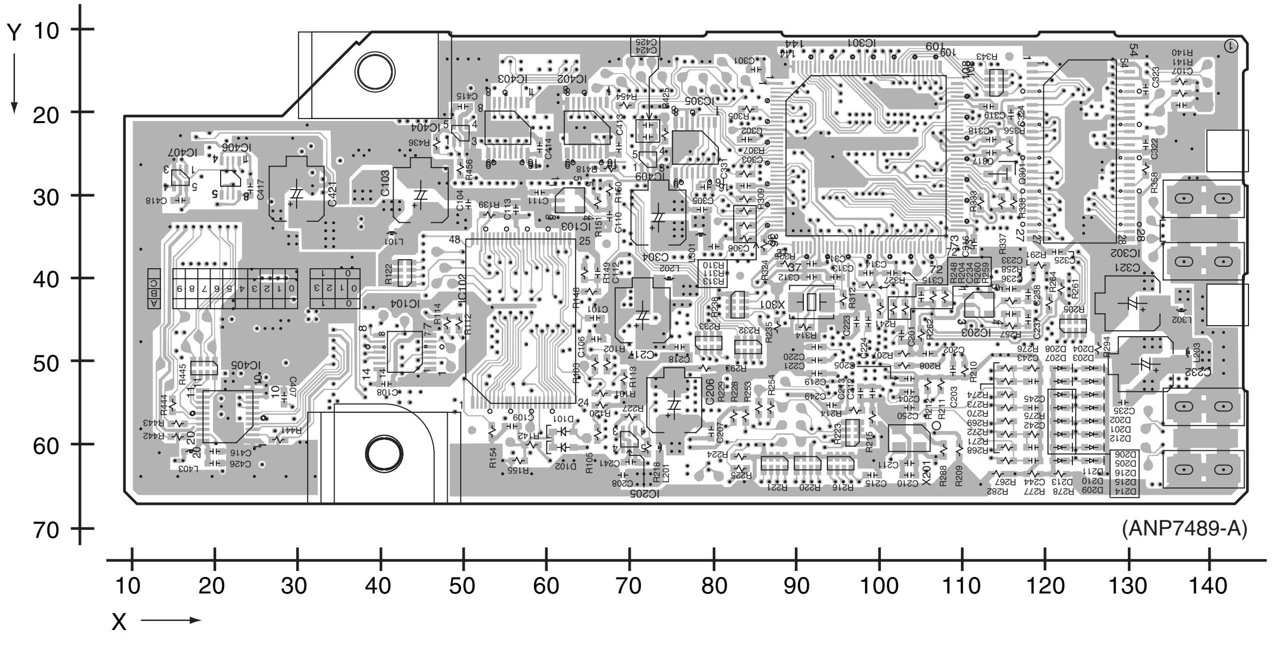
4.22 1394 ASSY

AF 1394 ASSY

SIDE A **SIDE A**


70
60
50
40
30
20
10
Y
10
20
30
40
50
60
70
80
90
100
110
120
130
140
X
CN402
CN401
L CN305
L CN303
Pioneer
AWK7
-A
1394 ASSY
FC
IC401
IC410
IC408
IC1
IC101
IC201
IC202
IC204
IC303
KN11
GND
IN
OUT
X101
X302
CN402
CN401
CN101
JA201
JA202
接触面：上側
(ANP7489-A)

SIDE B **SIDE B**


Y
10
20
30
40
50
60
70
10
20
30
40
50
60
70
80
90
100
110
120
130
140
X
IC301
IC302
IC203
IC305
IC306
IC402
IC403
IC404
IC405
IC406
IC407
IC409
IC103
IC104
IC205
X201
X301
(ANP7489-A)

AF **AF**

5. PCB PARTS LIST

NOTES:
- *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *When ordering resistors, first convert resistance values into code form as shown in the following examples.*
  Ex.1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J=5%, and K=10%).

  560 Ω → 56 x 10^1 → 561 ·········· RD1/4PU$\boxed{5}\boxed{6}\boxed{1}$J
  47k Ω → 47 x 10^3 → 473 ·········· RD1/4PU$\boxed{4}\boxed{7}\boxed{3}$J
  0.5 Ω → R50 ·········· RN2H$\boxed{R}\boxed{5}\boxed{0}$K
  1 Ω → 1R0 ·········· RS1P$\boxed{1}\boxed{R}\boxed{0}$K

  Ex.2 When there are 3 effective digits (such as in high precision metal film resistors).

  5.62k Ω → 562 x 10^1 → 5621 ·········· RN1/4PC$\boxed{5}\boxed{6}\boxed{2}\boxed{1}$F
- *Meaning of the figures and others in the parentheses in the parts list.*
  Example) IC 301 is on the point (face A, 91 of x-axis, and 111 of y-axis) of the corresponding PC board.
  IC 301 (A, 91, 111) IC NJM2068V

LIST OF ASSEMBLIES

Mark	Symbol and Description	VSX-74TXVi/KUXJ/CA, VSX-74TXVi-S/KUXJC	VSX-72TXV/KUXJ/CA, VSX-72TXV-S/KUXJC
NSP	1..POWER AMP ASSY	AWH7007	AWH7007
	2..POWER AMP-L ASSY	AWX8654	AWX8654
	2..POWER AMP-R ASSY	AWX8656	AWX8656
	2..POWER PROTECT ASSY	AWX8658	AWX8658
	2..POWER AMP IN ASSY	AWX8662	AWX8662
NSP	2..BRIDGE1 ASSY	AWX8667	AWX8667
NSP	2..BRIDGE2 ASSY	AWX8668	AWX8668
	1..1394 ASSY	AWK7882	Not used
NSP	1..COMPLEX ASSY	AWM7975	AWM7979
	2..TRANS 2-2 ASSY	AWX8626	AWX8626
	2..PRIMARY ASSY	AWX8628	AWX8628
NSP	2..FFC GUARD (FRONT) ASSY	AWX8634	AWX8634
	2..DISPLAY ASSY	AWX8635	AWX8636
	2..FRONT-IN ASSY	AWX8638	AWX8638
	2..HEADPHONE ASSY	AWX8639	AWX8639
	2..INPUT SELECT ASSY	AWX8640	AWX8640
	2..VOLUME ASSY	AWX8641	AWX8641
	1..DIGITAL MOTHER ASSY	AWP7037	AWP7041
	1..HDMI & DVC ASSY	AWQ7024	AWQ7024
NSP	1..VIDEO ASSY	AWQ7026	AWQ7026
	2..COMPOSITE V ASSY	AWX8620	AWX8620
	2..S VIDEO ASSY	AWX8622	AWX8622
	2..PREOUT & CONTROL ASSY	AWX8625	AWX8625
	1..COMPONENT & VOL ASSY	AWQ7028	AWQ7030
NSP	1..SECONDARY ASSY	AWR7023	AWR7026
	2..SP/PS ASSY	AWX8642	AWX8644
	2..TRANS 2-1 ASSY	AWX8646	AWX8646
NSP	2..DIODE ASSY	AWX8648	AWX8648
	2..VH TR ASSY	AWX8649	AWX8649
	2..DC/DC ASSY	AWX8650	AWX8650
	2..INTERFACE ASSY	AWX8651	AWX8651
NSP	2..TRANS SIDE ASSY	AWX8652	AWX8652
NSP	1..AUDIO ASSY	AWR7030	AWR7030
	2..V-AUDIO ASSY	AWX8637	AWX8637
NSP	2..BRIDGE3 ASSY	AWX8669	AWX8669
	2..LOCAL SUPPLY ASSY	AWX8671	AWX8671
	2..AUDIO & MULTI CH IN ASSY	AWX8674	AWX8674
NSP	2..FFC GUARD (SIDE) ASSY	AWX8696	AWX8696
	1..DSP ASSY	AWX8599	AWX8599
	1..FM/AM TUNER MODULE	AXX7172	AXX7172

CONTRAST OF PCB ASSEMBLIES

X SP/PS ASSY

AWX8644 and AWX8642 are constructed the same except for the following :

Mark	Symbol and Description	AWX8642	AWX8644
	C4101, C4102 (15000/71)	ACH7218	Not used
	C4101, C4102 (10000/71)	Not used	ACH7255

AC DISPLAY ASSY

AWX8636 and AWX8635 are constructed the same except for the following :

Mark	Symbol and Description	AWX8635	AWX8636
	D3315	SLR-343BBT	SLI-343URW
	R3305	RS1/16S391J	RS1/16S331J

PCB PARTS LIST FOR VSX-74TXVi UNLESS OTHER WISE NOTED

POWER AMP ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
	J 13	JUMPER WIRE	D20PDY0525E
	Y 6	LEAD WITH HOUSING	ADX7498
	Y 5	LEAD WITH HOUSING	ADX7404
	Y 4	LEAD WITH HOUSING	ADX7460
	Y 3	LEAD WITH HOUSING	ADX7458
	Y 2	LEAD WITH HOUSING	ADX7457
	Y 1	LEAD WITH HOUSING	ADX7459

COMPLEX ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
	J 3	JUMPER WIRE	D20PDY0620E
	J 9	JUMPER WIRE	D15A06-150-2651
	J 10	JUMPER WIRE	D15A08-150-2651
⚠	Y 14	AWG18 BOARD IN	ADX7490
⚠	Y 15	AWG18 BOARD IN	ADX7491

SECONDARY ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
	Y 8	AWG14 BOARD IN	ADX7451
	Y 9	AWG14 BOARD IN	ADX7488
	Y 11	AWG14 BOARD IN	ADX7454
	Y 10	AWG14 BOARD IN	ADX7489
	Y 12	AWG14 BOARD IN	ADX7455

FFC GUARD (FRONT) ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
	3151(A,205 ,20)	PCB BINDER	VEF1040
	3152(A,285 ,14)	PCB BINDER	VEF1040

FFC GUARD (SIDE) ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
	5862(A,171 ,32)	PCB BINDER	VEF1040
	5861(A,171 ,77)	PCB BINDER	VEF1040

A AUDIO & MULTI CH IN ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
	IC 6201(B,71 ,191)	AUDIO IC	BD3841FS
	IC 6203(B,130 ,185)	OP-AMP IC	BA4560RF
	L 6201(B,19 ,215)	CHIP SOLID INDUCTOR	QTL1013
	L 6207(B,38 ,172)	CHIP BEADS	VTL1083
	L 6208(B,83 ,178)	CHIP BEADS	VTL1083
	JA 6201(A,14 ,227)	JACK	RKN1004
	CN6202(A,20 ,187)	13P SOCKET	XKP3077
	CN6203(A,109 ,174)	23P SOCKET	XKP3082
	CN6204(A,66 ,174)	17P SOCKET	XKP3079
	CN6205(A,133 ,230)	PIN JACK(4P)	AKB7172
	CN6207(A,91 ,230)	PIN JACK(4P)	AKB7172
	CN6208(A,63 ,230)	PIN JACK(4P)	AKB7172
	CN6209(A,35 ,230)	PIN JACK(4P)	AKB7172
	6201(A,141 ,173)	PCB BINDER	VEF1040

RESISTORS

Mark	No.	Description	Part No.
	R 6201(B,122 ,215)		RS1/16S473J
	R 6202(B,126 ,215)		RS1/16S473J
	R 6205(B,96 ,215)		RS1/16S104J
	R 6206(B,100 ,215)		RS1/16S104J
	R 6207(B,82 ,215)		RS1/16S473J
	R 6208(B,86 ,215)		RS1/16S473J
	R 6209(B,68 ,215)		RS1/16S473J
	R 6210(B,72 ,215)		RS1/16S473J
	R 6211(B,54 ,215)		RS1/16S473J
	R 6212(B,58 ,215)		RS1/16S473J
	R 6213(B,41 ,215)		RS1/16S473J
	R 6214(B,45 ,215)		RS1/16S473J
	R 6215(B,27 ,213)		RS1/16S473J
	R 6216(B,31 ,213)		RS1/16S473J
	R 6217(B,119 ,214)		RS1/16S331J
	R 6218(B,128 ,214)		RS1/16S331J
	R 6221(B,93 ,214)		RS1/16S222J
	R 6222(B,102 ,214)		RS1/16S222J
	R 6223(B,79 ,214)		RS1/16S331J
	R 6224(B,88 ,214)		RS1/16S331J
	R 6225(B,65 ,214)		RS1/16S331J
	R 6226(B,74 ,214)		RS1/16S331J
	R 6227(B,52 ,214)		RS1/16S331J
	R 6228(B,61 ,214)		RS1/16S331J
	R 6229(B,38 ,214)		RS1/16S331J

Mark	No.	Description	Part No.
R	6230(B,47 ,214)		RS1/16S331J
R	6231(B,24 ,212)		RS1/16S331J
R	6232(B,33 ,212)		RS1/16S331J
R	6237(B,96 ,204)		RS1/16S154J
R	6238(B,100 ,204)		RS1/16S154J
R	6251(B,135 ,212)		RS1/16S104J
R	6252(B,139 ,212)		RS1/16S104J
R	6253(B,134 ,209)		RS1/16S331J
R	6254(B,140 ,209)		RS1/16S331J
R	6255(B,136 ,192)		RS1/16S104J
R	6256(B,141 ,181)		RS1/16S104J
R	6257(B,136 ,188)		RS1/16S561J
R	6258(B,136 ,182)		RS1/16S561J
R	6259(B,132 ,196)		RS1/16S394J
R	6260(B,134 ,177)		RS1/16S394J
R	6261(B,124 ,196)		RS1/16S303J
R	6262(B,126 ,177)		RS1/16S303J
R	6263(B,122 ,196)		RS1/16S471J
R	6264(B,124 ,177)		RS1/16S471J
R	6265(B,117 ,191)		RS1/16S224J
R	6266(B,117 ,176)		RS1/16S224J
R	6267(B,49 ,192)		RS1/16S101J
R	6268(B,51 ,191)		RS1/16S101J
R	6269(B,84 ,195)		RS1/16S0R0J
R	6270(B,84 ,193)		RS1/16S0R0J
R	6271(B,102 ,191)		RS1/16S473J
R	6272(B,100 ,191)		RS1/16S473J
R	6273(B,97 ,191)		RS1/16S473J
R	6274(B,95 ,191)		RS1/16S473J
R	6282(B,112 ,203)		RS1/16S105J
R	6283(B,110 ,203)		RS1/16S105J
R	6284(B,43 ,178)		RS1/16S473J
R	6285(B,41 ,176)		RS1/16S473J
R	6288(B,10 ,216)		RS1/16S0R0J

CAPACITORS

C	6237(A,95 ,207)		CEAT100M50
C	6238(A,101 ,207)		CEAT100M50
C	6251(A,134 ,201)		CEAT100M50
C	6252(A,140 ,201)		CEAT100M50
C	6255(A,139 ,189)		CEAT470M16
C	6256(A,139 ,181)		CEAT470M16
C	6259(B,130 ,196)		CKSRYB822K50
C	6260(B,132 ,177)		CKSRYB822K50
C	6261(B,128 ,196)		CKSRYB122K50
C	6262(B,130 ,177)		CKSRYB122K50
C	6263(A,120 ,194)		CEAT100M50
C	6264(A,120 ,174)		CEAT100M50
C	6265(A,122 ,181)		CEAT470M16
C	6266(A,122 ,187)		CEAT470M16
C	6267(B,53 ,190)		CCSRCH101J50
C	6268(B,55 ,190)		CCSRCH101J50
C	6269(B,67 ,182)		CKSRYB103K50
C	6270(B,69 ,182)		CKSRYB103K50
C	6279(B,130 ,222)		CKSRYB103K50
C	6281(B,19 ,222)		CKSRYB103K50
C	6283(B,132 ,222)		CKSRYB104K16
C	6284(B,91 ,224)		CKSRYB103K50
C	6285(B,64 ,223)		CKSRYB103K50
C	6286(B,35 ,224)		CKSRYB104K16

Mark	No.	Description	Part No.
C	6291(B,134 ,222)		CKSRYB471K50
C	6292(B,33 ,224)		CKSRYB471K50
C	6293(B,126 ,196)		CKSRYB122K50
C	6294(B,128 ,177)		CKSRYB122K50
C	6295(A,78 ,180)		CEAT470M16
C	6296(A,73 ,172)		CEAT470M16

B V-AUDIO ASSY

MISCELLANEOUS

IC	6301(B,53 ,148)	AUDIO IC	BD3841FS
Q	6301(B,13 ,143)	TRANSISTOR	IMX25
JA	6301(A,26 ,107)	PIN JACK(6P)	AKB7174
CN	6301(A,121 ,143)	6P SOCKET	KP200TA6L
CN	6302(A,38 ,163)	23P SOCKET	XKP3082
CN	6307(A,61 ,107)	PIN JACK(4P)	AKB7172
CN	6308(A,89 ,107)	PIN JACK(4P)	AKB7172
CN	6309(A,117 ,107)	PIN JACK(4P)	AKB7172

RESISTORS

R	6301(B,23 ,127)		RS1/16S473J
R	6302(B,19 ,127)		RS1/16S473J
R	6303(B,26 ,128)		RS1/16S331J
R	6304(B,17 ,128)		RS1/16S331J
R	6307(B,36 ,127)		RS1/16S473J
R	6308(B,32 ,127)		RS1/16S473J
R	6309(B,39 ,128)		RS1/16S331J
R	6310(B,30 ,128)		RS1/16S331J
R	6313(B,49 ,127)		RS1/16S473J
R	6314(B,45 ,127)		RS1/16S473J
R	6315(B,52 ,128)		RS1/16S331J
R	6316(B,43 ,128)		RS1/16S331J
R	6319(B,62 ,127)		RS1/16S473J
R	6320(B,58 ,127)		RS1/16S473J
R	6321(B,65 ,128)		RS1/16S331J
R	6322(B,55 ,128)		RS1/16S331J
R	6325(B,75 ,127)		RS1/16S104J
R	6326(B,71 ,127)		RS1/16S104J
R	6327(B,78 ,128)		RS1/16S222J
R	6328(B,69 ,128)		RS1/16S222J
R	6329(B,75 ,134)		RS1/16S154J
R	6330(B,71 ,134)		RS1/16S154J
R	6331(B,88 ,127)		RS1/16S473J
R	6332(B,84 ,127)		RS1/16S473J
R	6333(B,91 ,128)		RS1/16S331J
R	6334(B,82 ,128)		RS1/16S331J
R	6337(B,101 ,127)		RS1/16S104J
R	6338(B,97 ,127)		RS1/16S104J
R	6339(B,104 ,128)		RS1/16S222J
R	6340(B,95 ,128)		RS1/16S222J
R	6341(B,101 ,134)		RS1/16S154J
R	6342(B,97 ,134)		RS1/16S154J
R	6343(B,113 ,133)		RS1/16S473J
R	6344(B,109 ,127)		RS1/16S473J
R	6345(B,113 ,135)		RS1/16S331J
R	6346(B,109 ,129)		RS1/16S331J
R	6351(B,13 ,131)		RS1/16S102J
R	6352(B,9 ,136)		RS1/16S102J
R	6353(B,18 ,149)		RS1/16S103J
R	6354(B,8 ,149)		RS1/16S103J

Mark	No.	Description	Part No.
R	6355(B,20 ,155)		RS1/16S102J
R	6356(B,11 ,158)		RS1/16S102J
R	6361(B,106 ,145)		RS1/16S101J
R	6362(B,73 ,148)		RS1/16S101J
R	6367(B,116 ,155)		RS1/16S0R0J
R	6368(B,107 ,162)		RS1/16S0R0J
R	6369(B,106 ,166)		RS1/16S0R0J
R	6370(B,105 ,162)		RS1/16S0R0J
R	6371(B,72 ,159)		RS1/16S0R0J
R	6372(B,74 ,159)		RS1/16S0R0J
R	6373(B,76 ,159)		RS1/16S0R0J
R	6374(B,73 ,156)		RS1/16S0R0J
R	6375(B,73 ,154)		RS1/16S0R0J
R	6381(B,41 ,153)		RS1/16S473J
R	6382(B,43 ,152)		RS1/16S473J
R	6383(B,35 ,165)		RS1/16S0R0J
R	6384(B,68 ,166)		RS1/16S0R0J
R	6391		RS1/16S0R0J
R	6392		RS1/16S0R0J

CAPACITORS

Mark	No.	Description	Part No.
C	6329(A,77 ,137)		CEAT100M50
C	6330(A,70 ,137)		CEAT100M50
C	6341(A,103 ,137)		CEAT100M50
C	6342(A,96 ,137)		CEAT100M50
C	6349(B,33 ,114)		CKSRYB104K16
C	6350(B,61 ,114)		CKSRYB104K16
C	6351(B,89 ,114)		CKSRYB104K16
C	6359(B,69 ,152)		CCSRCH101J50
C	6360(B,71 ,151)		CCSRCH101J50
C	6361(B,61 ,156)		CKSRYB103K50
C	6362(B,58 ,157)		CKSRYB103K50
C	6363(A,68 ,163)		CEAT470M16
C	6364(A,85 ,166)		CEAT470M16
C	6368(B,19 ,114)		CKSRYB103K50
C	6369(B,22 ,111)		CKSRYB103K50
C	6379(B,35 ,114)		CKSRYB471K50
C	6380(B,63 ,114)		CKSRYB471K50
C	6381(B,91 ,114)		CKSRYB471K50

C FRONT-IN ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
IC	3451(B,43 ,37)	OP-AMP IC	BA4560RF
Q	3451(B,83 ,33)	CHIP TRANSISTOR	HN1C01FU
D	3451(B,58 ,42)	DIODE	UDZS5R1(B)
D	3452(B,60 ,42)	DIODE	UDZS5R1(B)
D	3453(B,24 ,36)	DIODE	UDZS5R1(B)
D	3454(B,35 ,31)	DIODE	DAN217
L	3451(B,88 ,65)	CHIP BEADS	VTL1083
L	3452(B,94 ,50)	CHIP BEADS	VTL1083
L	3453(B,30 ,26)	CHIP SOLID INDUCTOR	QTL1013
L	3455(B,88 ,24)	CHIP BEADS	VTL1083
JA	3451(A,12 ,11)	JACK	RKN1004
JA	3452(A,97 ,15)	FRONT AV INPUT	AKX7019
KN	3451(A,13 ,39)	WRAPPING TERMINAL	VNF1084
KN	3452(A,106 ,39)	WRAPPING TERMINAL	VNF1084
CN	3451(A,102 ,53)	CONNECTOR	52045-1545

RESISTORS

Mark	No.	Description	Part No.
R	3451(B,20 ,34)		RS1/16S682J
R	3452(B,14 ,28)		RS1/16S104J
R	3453(B,26 ,32)		RS1/16S101J
R	3454(B,32 ,31)		RS1/16S104J
R	3455(B,44 ,29)		RS1/16S333J
R	3456(B,39 ,29)		RS1/16S432J
R	3457(B,50 ,41)		RS1/16S432J
R	3458(B,45 ,44)		RS1/16S333J
R	3459(B,47 ,44)		RS1/16S101J
R	3460(B,7 ,19)		RS1/16S102J
R	3461(B,56 ,44)		RS1/16S104J
R	3462(B,44 ,23)		RS1/16S101J
R	3463(B,34 ,41)		RS1/16S102J
R	3465(B,58 ,46)		RS1/16S0R0J
R	3466(B,60 ,46)		RS1/16S0R0J
R	3467(B,63 ,48)		RS1/16S0R0J
R	3468(B,48 ,34)		RS1/16S0R0J
R	3471(B,53 ,27)		RS1/16S750J
R	3472(B,55 ,31)		RS1/16S0R0J
R	3473(B,60 ,26)		RS1/16S750J
R	3474(B,60 ,30)		RS1/16S0R0J
R	3475(B,65 ,24)		RS1/16S750J
R	3476(B,64 ,31)		RS1/16S0R0J
R	3480(B,47 ,29)		RS1/16S101J
R	3481(B,77 ,23)		RS1/16S104J
R	3482(B,105 ,23)		RS1/16S104J
R	3483(B,75 ,27)		RS1/16S221J
R	3484(B,101 ,27)		RS1/16S221J
R	3485(B,75 ,31)		RS1/16S104J
R	3486(B,93 ,24)		RS1/16S104J
R	3487(B,73 ,35)		RS1/16S221J
R	3488(B,93 ,28)		RS1/16S221J
R	3489(B,96 ,49)		RS1/16S101J
R	3490(B,101 ,47)		RS1/16S101J
R	3491(B,89 ,38)		RS1/16S153J
R	3492(B,91 ,38)		RS1/16S153J
R	3493(B,87 ,38)		RS1/16S470J
R	3494(B,101 ,43)		RS1/16S470J
R	3496(B,101 ,23)		RS1/16S0R0J
R	3497(B,78 ,26)		RS1/16S0R0J
R	3498(B,95 ,36)		RS1/16S0R0J
R	3499(B,97 ,36)		RS1/16S0R0J

CAPACITORS

Mark	No.	Description	Part No.
C	3451(B,12 ,28)		CCSRCH471J50
C	3452(A,29 ,36)		CEAT100M50
C	3453(B,30 ,31)		CCSRCH101J50
C	3454(B,45 ,29)		CCSRCH220J50
C	3455(B,44 ,44)		CCSRCH220J50
C	3457(A,31 ,41)		CEAT100M50
C	3459(B,36 ,35)		CKSRYB103K50
C	3460(B,48 ,38)		CKSRYB103K50
C	3461(A,41 ,44)		CEAT100M50
C	3462(A,53 ,38)		CEAT100M50
C	3463(B,7 ,27)		CKSRYB105K6R3
C	3464(B,8 ,34)		CKSRYB104K16
C	3465(B,6 ,34)		CKSRYB103K50
C	3467(B,32 ,26)		CKSRYB104K16
C	3470(A,50 ,44)		CEAT100M50
C	3471(B,51 ,28)		CKSRYB104K25
C	3475(B,104 ,32)		CKSRYB104K16
C	3476(B,104 ,35)		CKSRYB471K50

Mark	No.	Description	Part No.
	C 3481(B,79 ,23)		CCSRCH221J50
	C 3482(B,103 ,23)		CCSRCH221J50
	C 3483(A,72 ,32)		CEAT100M50
	C 3484(A,96 ,31)		CEAT100M50
	C 3485(B,75 ,35)		CCSRCH101J50
	C 3486(B,91 ,26)		CCSRCH101J50
	C 3489(B,87 ,33)		CKSRYB103K50
	C 3490(B,93 ,38)		CKSRYB103K50
	C 3491(A,90 ,34)	ELECT. CAPACITOR	CEAT330M25
	C 3492(A,95 ,43)	ELECT. CAPACITOR	CEAT330M25
	C 3494(B,106 ,29)		CKSRYB104K16
	C 3495(B,103 ,29)		CKSRYB471K50
	C 3496(B,75 ,23)		CKSRYB103K50

D HEADPHONE ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
	L 3551(B,129 ,129)	CHIP BEADS	VTL1083
	KN3551(A,119 ,114)	WRAPPING TERMINAL	VNF1084
	CN3551(A,133 ,128)	4P JUMPER CONNECTOR	52147-0410
	3551(A,127 ,85)	PHONE JACK	AKN7029

RESISTORS

Mark	No.	Description	Part No.
	R 3551(B,132 ,97)		RS1/16S102J

CAPACITORS

Mark	No.	Description	Part No.
	C 3551(B,131 ,114)		CKSRYB392K50
	C 3552(B,122 ,100)		CKSRYB392K50
	C 3553(B,124 ,110)		CCSRCH471J50
	C 3554(B,122 ,110)		CKSRYB103K50
	C 3555(B,119 ,110)		CKSRYB104K16

E BRIDGE1 ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
	CN5431(A,51 ,120)	23P PLUG	XKP3071
	CN5432(A,77 ,72)	23P PLUG	XKP3071

F BRIDGE2 ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
	CN5441(A,48 ,59)	CONNECTOR	52045-1745
	CN5442(A,68 ,43)	11P PLUG	XKP3065
	CN5443(A,69 ,19)	13P PLUG	XKP3066

G TRANS SIDE ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
	L 4401(B,307 ,6)	CHIP BEADS	VTL1083
	L 4402(B,307 ,8)	CHIP BEADS	VTL1083
	L 4403(B,307 ,10)	CHIP BEADS	VTL1083
	L 4404(B,307 ,14)	CHIP BEADS	VTL1083
	L 4405(B,307 ,16)	CHIP BEADS	VTL1083
	L 4406(B,307 ,18)	CHIP BEADS	VTL1083
	L 4407(B,307 ,20)	CHIP BEADS	VTL1083
	L 4408(B,307 ,22)	CHIP BEADS	VTL1083
	L 4409(B,307 ,24)	CHIP BEADS	VTL1083
	L 4410(B,307 ,26)	CHIP BEADS	VTL1083
	L 4411(B,307 ,28)	CHIP BEADS	VTL1083
	L 4412(B,307 ,30)	CHIP BEADS	VTL1083
	L 4413(B,307 ,32)	CHIP BEADS	VTL1083

Mark	No.	Description	Part No.
	J 5	JUMPER WIRE	D20PDY0410E
	CN4402(A,319 ,21)	KR CONNECTOR	S13B-PH
	CN4403(A,79 ,28)	CONNECTOR	52045-1745
	4401(A,61 ,9)	4P CABLE HOLDER	51048-0400

H BRIDGE3 ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
	CN5451(A,169 ,100)	17P CONNECTOR	52044-1745
	CN5452(A,140 ,100)	19P CONNECTOR	52044-1945
	CN5453(A,135 ,134)	23P PLUG	XKP3071
	CN5454(A,126 ,166)	23P PLUG	XKP3071
	CN5455(A,169 ,166)	17P PLUG	XKP3068

I COMPOSITE V ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
	IC 2001(A,125 ,89)	IC	CD74HC4051PW
	IC 2002(A,125 ,77)	IC	CD74HC4051PW
	IC 2003(A,129 ,101)	IC	CD74HC4053PW
	IC 2004(A,134 ,89)	IC	CD74HC4052PW
	IC 2005(B,117 ,126)	VIDEO AMP IC	TK15420M
	IC 2006(A,122 ,42)	VIDEO SW IC	NJM2279M
	IC 2007(B,145 ,64)	CHARACTER GENERATOR	PDC131A
	IC 2008(A,141 ,111)	LOGIC IC	CD4094BNS
	IC 2009(B,132 ,97)	LOGIC IC	CD4094BNS
	Q 2001(B,143 ,80)	TRANSISTOR	2SC4081
	D 2001(A,150 ,29)	DIODE	DAP202K
	L 2003(A,129 ,68)	AXIAL INDUCTOR	LAU330J
	JA 2005(A,95 ,130)	PIN JACK(1P)	AKB7175
	X 2001(A,134 ,55)	CRYSTAL RESONATOR (14.31818MHz)	ASS1056
	CN2001(A,144 ,24)	15P SOCKET	XKP3078
	CN2002(A,131 ,123)	13P SOCKET	XKP3077
	2001(A,95 ,109)	PIN JACK(2P)	AKB7176
	2003(A,95 ,53)	PIN JACK(2P)	AKB7176
	2004(A,95 ,25)	PIN JACK(2P)	AKB7176
	2002(A,95 ,81)	PIN JACK(2P)	AKB7176

RESISTORS

Mark	No.	Description	Part No.
	R 2001(B,103 ,116)		RS1/16S750J
	R 2002(B,103 ,102)		RS1/16S750J
	R 2003(B,103 ,88)		RS1/16S750J
	R 2004(B,104 ,75)		RS1/16S750J
	R 2005(B,103 ,46)		RS1/16S750J
	R 2006(B,104 ,19)		RS1/16S750J
	R 2007(B,104 ,130)		RS1/16S750J
	R 2008(B,113 ,62)		RS1/16S750J
	R 2009(B,114 ,36)		RS1/16S750J
	R 2010(A,149 ,118)		RS1/16S0R0J
	R 2012(B,141 ,35)		RS1/16S750J
	R 2013(A,115 ,128)		RS1/16S472J
	R 2014(A,119 ,128)		RS1/16S472J
	R 2015(A,115 ,127)		RS1/16S182J
	R 2016(A,119 ,127)		RS1/16S182J
	R 2017(A,114 ,124)		RS1/16S202J
	R 2018(A,120 ,124)		RS1/16S202J
	R 2019(A,147 ,75)		RS1/16S331J
	R 2020(A,147 ,77)		RS1/16S331J
	R 2021(A,147 ,79)		RS1/16S331J

Mark	No.	Description	Part No.
R	2022(A,150 ,75)		RS1/16S102J
R	2023(B,150 ,79)		RS1/16S512J
R	2024(B,148 ,79)		RS1/16S392J
R	2025(B,144 ,83)		RS1/16S102J
R	2027(A,140 ,104)		RS1/16S473J
R	2028(A,142 ,104)		RS1/16S473J
R	2029(A,144 ,104)		RS1/16S473J
R	2030(A,145 ,104)		RS1/16S473J
R	2031(A,149 ,104)		RS1/16S473J
R	2032(A,147 ,104)		RS1/16S473J
R	2033(B,144 ,100)		RS1/16S473J
R	2034(B,144 ,98)		RS1/16S473J
R	2035(B,144 ,96)		RS1/16S473J
R	2036(A,139 ,117)		RS1/16S0R0J
R	2070(A,115 ,109)		RS1/16S0R0J
R	2082(A,133 ,40)		RS1/16S0R0J
R	2091(A,123 ,122)		RS1/16S0R0J
R	2092(A,124 ,26)		RS1/16S0R0J
R	2095(B,129 ,86)		RS1/16S473J
R	9095		RS1/16S0R0J

CAPACITORS

Mark	No.	Description	Part No.
C	2007(B,104 ,132)		CCSRCH181J50
C	2008(B,104 ,61)		CCSRCH181J50
C	2009(B,104 ,33)		CCSRCH181J50
C	2012(A,141 ,33)	ELECT. CAPACITOR	CEAT102M6R3
C	2013(A,133 ,33)		CEAT101M10
C	2014(A,127 ,33)		CEAT101M10
C	2015(A,119 ,91)		CKSRYB103K50
C	2016(A,130 ,86)		CKSRYB103K50
C	2017(A,118 ,73)		CKSRYB103K50
C	2018(A,128 ,81)		CKSRYB103K50
C	2019(A,128 ,97)		CKSRYB103K50
C	2020(A,130 ,105)		CKSRYB103K50
C	2021(A,130 ,92)		CKSRYB103K50
C	2022(A,139 ,86)		CKSRYB103K50
C	2024(A,119 ,106)		CEAT101M10
C	2025(A,119 ,114)		CEAT101M10
C	2026(B,119 ,122)		CKSRYB103K50
C	2027(B,113 ,131)		CKSRYB103K50
C	2028(A,112 ,116)		CEAT101M10
C	2029(A,127 ,116)		CEAT101M10
C	2034(A,130 ,39)		CKSRYB103K50
C	2035(A,129 ,44)		CKSRYB103K50
C	2036(A,113 ,47)		CEAT100M50
C	2037(A,141 ,48)		CEAT101M10
C	2038(A,150 ,49)		CEAT101M10
C	2039(B,142 ,54)		CKSRYB473K25
C	2040(B,143 ,74)		CKSRYB473K25
C	2041(B,130 ,57)		CCSRCH120J50
C	2042(B,130 ,62)		CCSRCH120J50
C	2043(A,139 ,63)		CCSRCH240J50
C	2044(A,139 ,64)		CCSRCH240J50
C	2045(A,140 ,67)		CCSRCH101J50
C	2046(A,140 ,69)		CCSRCH101J50
C	2047(A,140 ,70)		CCSRCH101J50
C	2048(A,149 ,68)		CKSRYB122K50
C	2049(A,149 ,63)		CKSRYB122K50
C	2050(A,149 ,58)		CCSRCH101J50
C	2052(A,148 ,84)		CEAT101M10
C	2053(B,132 ,112)		CKSRYB103K50
C	2054(B,131 ,105)		CKSRYB103K50
C	2055(B,147 ,76)		CKSRYB103K50
C	2086(B,109 ,58)		CKSRYB103K50
C	2087(B,127 ,110)		CKSRYB103K50
C	2088(A,132 ,120)		CKSRYB103K50
C	2089(B,103 ,25)		CKSRYB103K50
C	2091(B,103 ,109)		CKSRYB103K50
C	2092(B,103 ,81)		CKSRYB103K50
C	2093(B,103 ,53)		CKSRYB103K50
C	2094(B,104 ,127)		CKSRYB473K25

J S VIDEO ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
IC	2201(A,39 ,96)	IC	CD74HC4051PW
IC	2202(A,42 ,81)	IC	CD74HC4051PW
IC	2203(A,39 ,111)	IC	CD74HC4052PW
IC	2204(A,32 ,130)	VIDEO AMP IC	TK15420M
IC	2205(A,52 ,96)	IC	CD74HC4051PW
IC	2206(A,57 ,81)	IC	CD74HC4051PW
IC	2207(A,48 ,63)	IC	CD74HC4052PW
IC	2208(A,36 ,60)	VIDEO AMP IC	TK15420M
IC	2209(A,49 ,40)	IC	CD74HC4052PW
IC	2210(A,36 ,37)	VIDEO AMP IC	TK15420M
IC	2271(A,51 ,115)	IC	LA7213
IC	2281(A,67 ,58)	LOGIC IC	CD4094BPW
IC	2282(A,68 ,75)	LOGIC IC	CD4094BPW
Q	2271(B,67 ,110)	TRANSISTOR	RT1N241M
D	2271(A,65 ,107)	DIODE	1SS355
D	2272(A,61 ,106)	DIODE	1SS355
CN2201	(A,64 ,24)	17P SOCKET	XKP3079
CN2202	(A,62 ,123)	11P SOCKET	XKP3076
CN2203	(A,12 ,116)	SOCKET	AKP7043
CN2205	(A,12 ,53)	SOCKET	AKP7020
CN2206	(A,12 ,25)	SOCKET	AKP7020

RESISTORS

Mark	No.	Description	Part No.
R	2201(B,26 ,115)		RS1/16S750J
R	2202(B,28 ,117)		RS1/16S750J
R	2203(B,26 ,101)		RS1/16S750J
R	2204(B,28 ,103)		RS1/16S750J
R	2205(B,26 ,45)		RS1/16S750J
R	2206(B,28 ,49)		RS1/16S750J
R	2207(B,26 ,17)		RS1/16S750J
R	2208(B,28 ,23)		RS1/16S750J
R	2213(B,28 ,126)		RS1/16S750J
R	2214(B,28 ,133)		RS1/16S750J
R	2215(B,28 ,55)		RS1/16S750J
R	2216(B,28 ,62)		RS1/16S750J
R	2217(B,28 ,28)		RS1/16S750J
R	2218(B,28 ,35)		RS1/16S750J
R	2219(A,66 ,102)		RS1/16S0R0J
R	2220(A,59 ,118)		RS1/16S0R0J
R	2221(B,66 ,33)		RS1/16S750J
R	2222(B,60 ,32)		RS1/16S750J
R	2223(B,33 ,131)		RS1/16S472J
R	2224(A,26 ,132)		RS1/16S472J
R	2225(B,35 ,128)		RS1/16S182J
R	2226(A,26 ,127)		RS1/16S152J
R	2227(B,38 ,128)		RS1/16S202J

Mark	No.	Description	Part No.
	R 2228(A,26 ,124)		RS1/16S182J
	R 2229(B,50 ,33)		RS1/16S0R0J
	R 2250(B,50 ,31)		RS1/16S0R0J
	R 2251(A,40 ,58)		RS1/16S472J
	R 2252(A,31 ,58)		RS1/16S472J
	R 2253(A,42 ,58)		RS1/16S182J
	R 2254(A,29 ,58)		RS1/16S152J
	R 2255(A,40 ,61)		RS1/16S202J
	R 2256(A,29 ,61)		RS1/16S182J
	R 2261(A,40 ,34)		RS1/16S472J
	R 2262(A,31 ,33)		RS1/16S472J
	R 2263(A,42 ,34)		RS1/16S182J
	R 2264(A,29 ,33)		RS1/16S152J
	R 2265(A,42 ,37)		RS1/16S202J
	R 2266(A,31 ,36)		RS1/16S182J
	R 2271(A,51 ,112)		RS1/16S331J
	R 2272(A,53 ,110)		RS1/16S224J
	R 2273(A,57 ,107)		RS1/16S472J
	R 2274(A,63 ,114)		RS1/16S223J
	R 2281(A,64 ,68)		RS1/16S473J
	R 2282(A,64 ,66)		RS1/16S473J
	R 2283(A,66 ,51)		RS1/16S473J
	R 2284(A,69 ,51)		RS1/16S473J
	R 2285(A,68 ,85)		RS1/16S473J
	R 2286(A,68 ,86)		RS1/16S473J
	R 2287(A,70 ,80)		RS1/16S0R0J
	R 2289(A,64 ,69)		RS1/16S473J
	R 2290(A,64 ,71)		RS1/16S473J
	R 2291(A,66 ,50)		RS1/16S473J
	R 2298(A,37 ,115)		RS1/16S0R0J

CAPACITORS

Mark	No.	Description	Part No.
	C 2202(B,28 ,119)		CKSRYB104K16
	C 2204(B,28 ,105)		CKSRYB104K16
	C 2206(B,28 ,51)		CKSRYB104K16
	C 2208(B,28 ,24)		CKSRYB104K16
	C 2213(B,28 ,127)		CCSRCH181J50
	C 2214(B,28 ,131)		CCSRCH181J50
	C 2215(B,28 ,57)		CCSRCH181J50
	C 2216(B,28 ,61)		CCSRCH181J50
	C 2217(B,28 ,30)		CCSRCH181J50
	C 2218(B,28 ,33)		CCSRCH181J50
	C 2221(A,66 ,31)	ELECT. CAPACITOR	CEAT102M6R3
	C 2222(B,61 ,34)		CKSRYB104K16
	C 2225(A,41 ,101)		CKSRYB104K16
	C 2226(A,36 ,92)		CKSRYB104K16
	C 2227(A,44 ,85)		CKSRYB104K16
	C 2228(A,36 ,79)		CKSRYB104K16
	C 2231(A,41 ,115)		CKSRYB103K50
	C 2232(A,37 ,107)		CKSRYB103K50
	C 2235(A,32 ,123)		CEAT101M10
	C 2236(A,38 ,121)		CEAT101M10
	C 2237(B,31 ,128)		CKSRYB103K50
	C 2238(A,33 ,134)		CKSRYB103K50
	C 2239(A,44 ,121)		CEAT101M10
	C 2240(A,28 ,134)		CKSRYB104K16
	C 2243(B,33 ,133)		CKSRYB104K16
	C 2245(A,54 ,101)		CKSRYB104K16
	C 2246(A,48 ,93)		CKSRYB104K16
	C 2247(A,58 ,85)		CKSRYB104K16

Mark	No.	Description	Part No.
	C 2248(A,54 ,77)		CKSRYB104K16
	C 2251(A,52 ,61)		CKSRYB103K50
	C 2252(A,46 ,68)		CKSRYB103K50
	C 2255(A,41 ,68)		CEAT101M10
	C 2256(A,35 ,70)		CEAT101M10
	C 2257(A,37 ,64)		CKSRYB103K50
	C 2258(A,33 ,57)		CKSRYB103K50
	C 2259(A,37 ,54)		CEAT101M10
	C 2260(B,42 ,59)		CKSRYB104K16
	C 2263(A,31 ,64)		CKSRYB104K16
	C 2265(A,53 ,38)		CKSRYB103K50
	C 2266(A,46 ,46)		CKSRYB103K50
	C 2269(A,41 ,45)		CEAT101M10
	C 2270(A,35 ,47)		CEAT101M10
	C 2271(A,38 ,40)		CKSRYB103K50
	C 2272(A,34 ,33)		CKSRYB103K50
	C 2273(A,39 ,31)		CEAT101M10
	C 2274(A,30 ,29)		CKSRYB104K16
	C 2277(B,28 ,36)		CKSRYB104K16
	C 2278(B,22 ,122)		CKSRYB104K16
	C 2279(B,22 ,52)		CKSRYB104K16
	C 2280(B,21 ,23)		CKSRYB104K16
	C 2281(A,67 ,116)		CEAT101M10
	C 2282(A,62 ,111)		CEAT101M10
	C 2283(A,47 ,117)	ELECT. CAPACITOR	CEAT3R3M50
	C 2284(A,70 ,79)		CKSRYB103K50
	C 2285(A,66 ,53)		CKSRYB103K50
	C 2286(B,17 ,117)		CKSRYB103K50
	C 2288(B,17 ,48)		CKSRYB103K50
	C 2289(B,17 ,20)		CKSRYB103K50
	C 2292(B,22 ,123)		CKSRYB103K50
	C 2293(B,22 ,53)		CKSRYB103K50
	C 2294(B,21 ,26)		CKSRYB103K50

K COMPONENT&VOL ASSY (VSX-74TXVi)

MISCELLANEOUS

Mark	No.	Description	Part No.
	IC 2401(A,45 ,189)	MULTIPLEXER(4CH*2)	TC74LVX4052FT
	IC 2402(A,36 ,189)	MULTIPLEXER(4CH*2)	TC74LVX4052FT
	IC 2404(A,58 ,182)	MULTIPLEXER(2CH*3)	TC74LVX4053FT
	IC 2405(B,59 ,208)	VIDEO IC	NJM2581M
	IC 2407(B,94 ,175)	LOGIC IC	CD4094BNS
	IC 2501(A,116 ,102)	OP-AMP IC	UPC4570G2
	IC 2525(A,116 ,84)	OP-AMP IC	UPC4570G2
	IC 2551(A,116 ,66)	OP-AMP IC	UPC4570G2
	IC 2575(A,116 ,48)	OP-AMP IC	UPC4570G2
	IC 2630(B,58 ,91)	IC	TC4066BFN
	IC 2631(A,59 ,115)	IC	TC4052BFT
	IC 2632(A,66 ,105)	OP-AMP IC	BA4560RF
	IC 2633(A,44 ,109)	OP-AMP IC	BA4560RF
	IC 2634(A,44 ,116)	OP-AMP IC	BA4560RF
	IC 2635(A,44 ,93)	IC	TC4052BFT
	IC 2636(A,70 ,93)	IC	TC4052BFT
	IC 2637(A,62 ,73)	AUDIO IC	BD3813KS
	IC 2638(A,54 ,35)	AUDIO IC	BD3813KS
	IC 2639(B,75 ,51)	IC	TC4052BFN
	IC 2640(A,146 ,112)	LOGIC IC	CD4094BNS
	IC 2641(A,38 ,29)	IC	TC4052BFN
⚠	Q 2407(B,28 ,196)	TRANSISTOR	2SC4081

Mark	No.	Description	Part No.
⚠	Q 2408(B,28 ,183)	TRANSISTOR	2SA1576A
	Q 2501(A,93 ,104)	CHIP TRANSISTOR	2SD2704K
	Q 2502(A,93 ,99)	CHIP TRANSISTOR	2SD2704K
	Q 2503(B,105 ,105)	CHIP TRANSISTOR	2SD2704K
	Q 2504(B,105 ,98)	CHIP TRANSISTOR	2SD2704K
	Q 2525(A,93 ,86)	CHIP TRANSISTOR	2SD2704K
	Q 2526(A,93 ,81)	CHIP TRANSISTOR	2SD2704K
	Q 2527(B,105 ,87)	CHIP TRANSISTOR	2SD2704K
	Q 2528(B,105 ,80)	CHIP TRANSISTOR	2SD2704K
	Q 2551(A,93 ,68)	CHIP TRANSISTOR	2SD2704K
	Q 2552(A,93 ,63)	CHIP TRANSISTOR	2SD2704K
	Q 2553(B,105 ,69)	CHIP TRANSISTOR	2SD2704K
	Q 2554(B,105 ,62)	CHIP TRANSISTOR	2SD2704K
	Q 2575(A,93 ,50)	CHIP TRANSISTOR	2SD2704K
	Q 2576(A,93 ,45)	CHIP TRANSISTOR	2SD2704K
	Q 2577(B,105 ,51)	CHIP TRANSISTOR	2SD2704K
	Q 2578(B,105 ,44)	CHIP TRANSISTOR	2SD2704K
	Q 2630(B,72 ,101)	TRANSISTOR	RT1N241M
	Q 2631(A,55 ,94)	TRANSISTOR	RT1N241M
	Q 2632(B,73 ,106)	TRANSISTOR	RT1N241M
	Q 2633(A,82 ,48)	TRANSISTOR	RT1N241M
	Q 2634(A,79 ,48)	TRANSISTOR	RT1N241M
	Q 2635(B,133 ,41)	DIGITAL TR(SC-70)	RT1P241M
	Q 2636(B,133 ,36)	DIGITAL TR(SC-70)	RT1P241M
	Q 2637(B,133 ,24)	DIGITAL TR(SC-70)	RT1P241M
	Q 2638(B,134 ,31)	DIGITAL TR(SC-70)	RT1P241M
	Q 2639(B,145 ,129)	DIGITAL TR(SC-70)	RT1P241M
	Q 2640(B,145 ,134)	DIGITAL TR(SC-70)	RT1P241M
⚠	Q 2641(A,28 ,58)	TRANSISTOR	2SD1858X
⚠	Q 2642(A,28 ,75)	TRANSISTOR	2SB1238X
	Q 2643(B,41 ,23)	TRANSISTOR	RT1N241M
	Q 2644(A,134 ,30)	TRANSISTOR	UMH1N
	Q 2645(A,58 ,96)	DIGITAL TR(SC-70)	RT1P241M
	Q 2751(B,109 ,216)	TRANSISTOR	2SA1576A
	Q 2752(B,116 ,216)	TRANSISTOR	2SA1576A
	Q 2753(A,121 ,210)	TRANSISTOR	UMH1N
	Q 2754(B,126 ,211)	TRANSISTOR	2SA1576A
	Q 2771(B,146 ,203)	TRANSISTOR	2SD1664
	D 2401(B,20 ,192)	DIODE	1SS355
	D 2402(B,21 ,208)	DIODE	1SS355
	D 2503(A,22 ,37)	DIODE	DAN217
	D 2504(A,70 ,124)	DIODE	DAN217
	D 2505(A,62 ,124)	DIODE	DAN217
	D 2517(B,20 ,64)	DIODE	UDZS7R5(B)
	D 2518(B,20 ,69)	DIODE	UDZS7R5(B)
	D 2519(B,150 ,90)	DIODE	1SS355
	D 2520(B,138 ,36)	DIODE	DAP202U
	D 2521(B,138 ,24)	DIODE	DAN202U
	D 2751(B,129 ,204)	DIODE	UDZS5R1(B)
	D 2752(A,124 ,214)	DIODE	1SS355
	D 2772(B,151 ,197)	DIODE	UDZS10(B)
	L 2751(A,127 ,202)	CHIP SOLID INDUCTOR	ATL7002
	L 2754(A,129 ,217)	CHIP SOLID INDUCTOR	QTL1013
	L 2755(A,122 ,217)	CHIP SOLID INDUCTOR	QTL1013
	L 2756(A,126 ,217)	CHIP SOLID INDUCTOR	QTL1013
	L 2757(A,134 ,191)	CHIP BEADS	VTL1083
	L 2758(A,143 ,190)	CHIP BEADS	VTL1083
	L 2759(A,80 ,201)	CHIP BEADS	VTL1083
	L 2760(B,142 ,205)	CHIP BEADS	VTL1083
	JA 2401(A,68 ,231)	6P RCA PINJACK	XKB3053
	JA 2402(A,26 ,231)	6P RCA PINJACK	XKB3053
	JA 2403(A,96 ,231)	PIN JACK(1P)	AKB7175
	JA 2702(A,125 ,231)	2P JACK	XKN3013
	KN2701(A,144 ,226)	SCREW PLATE	VNE1948
	CN2402(A,14 ,197)	7P SOCKET	KP200TA7L
	CN2403(A,18 ,176)	13P SOCKET	XKP3077
	CN2409(A,78 ,195)	CONNECTOR	52045-1745
	CN2501(A,14 ,55)	B TO B CONNCTOR	BTEM14P-1R
	CN2502(A,44 ,137)	CONNECTOR	52045-1745
	CN2503(A,14 ,102)	B TO B CONNCTOR	BTEM20P-1R
	CN2504(A,143 ,72)	23P SOCKET	XKP3082
	CN2505(A,14 ,140)	7P SOCKET	KP200TA7L
	CN2506(A,18 ,20)	11P SOCKET	XKP3076
	CN2601(A,110 ,130)	19P CONNECTOR	52045-1945
	CN2602(A,99 ,137)	26P CONNECTOR	52045-2645
	CN2603(A,70 ,137)	19P CONNECTOR	52045-1945
	CN2701(A,110 ,231)	JACK	AKN-209
	CN2702(A,151 ,178)	CONNECTOR	52045-1145
	2701(A,143 ,149)	PCB BINDER	VEF1040

RESISTORS

Mark	No.	Description	Part No.
	R 2401(B,85 ,224)		RS1/16S750J
	R 2402(B,69 ,221)		RS1/16S750J
	R 2403(B,56 ,223)		RS1/16S750J
	R 2404(B,41 ,223)		RS1/16S750J
	R 2405(B,28 ,223)		RS1/16S750J
	R 2406(B,16 ,223)		RS1/16S750J
	R 2407(B,36 ,222)		RS1/16S750J
	R 2408(B,23 ,223)		RS1/16S750J
	R 2409(B,9 ,222)		RS1/16S750J
	R 2433(B,103 ,218)		RS1/16S750J
	R 2439(B,65 ,215)		RS1/16S750J
	R 2440(B,59 ,215)		RS1/16S750J
	R 2441(B,52 ,215)		RS1/16S750J
	R 2443(A,93 ,178)		RS1/16S473J
	R 2444(A,95 ,178)		RS1/16S473J
	R 2445(A,93 ,173)		RS1/16S473J
	R 2446(A,97 ,173)		RS1/16S473J
	R 2447(A,91 ,176)		RS1/16S473J
	R 2448(A,95 ,173)		RS1/16S473J
	R 2449(A,95 ,166)		RS1/16S473J
	R 2451(B,25 ,195)		RS1/16S153J
	R 2452(B,25 ,183)		RS1/16S153J
	R 2453(B,25 ,191)		RS1/16S333J
	R 2454(B,25 ,187)		RS1/16S333J
	R 2467(B,23 ,169)		RS1/16S750J
	R 2468(B,25 ,172)		RS1/16S750J
	R 2469(B,23 ,176)		RS1/16S750J
	R 2501(B,86 ,104)		RS1/16S563J
	R 2502(B,86 ,99)		RS1/16S563J
	R 2503(B,93 ,103)		RS1/16S222J
	R 2504(B,93 ,100)		RS1/16S222J
	R 2505(B,99 ,108)		RS1/16S751J
	R 2506(B,99 ,95)		RS1/16S751J
	R 2507(A,92 ,108)		RS1/16S472J
	R 2508(A,92 ,96)		RS1/16S472J
	R 2509(B,99 ,104)		RS1/16S104J
	R 2510(B,99 ,99)		RS1/16S104J
	R 2511(A,105 ,105)		RS1/16S472J
	R 2512(A,105 ,98)		RS1/16S472J

Mark	No. Description	Part No.
	R 2513(B,115 ,106)	RS1/16S102J
	R 2514(B,115 ,97)	RS1/16S102J
	R 2515(B,111 ,104)	RS1/16S183J
	R 2516(B,111 ,99)	RS1/16S183J
	R 2517(B,109 ,104)	RS1/16S512J
	R 2518(B,109 ,99)	RS1/16S512J
	R 2519(A,117 ,107)	RS1/16S153J
	R 2520(A,117 ,96)	RS1/16S153J
	R 2521(B,117 ,106)	RS1/16S0R0J
	R 2522(B,117 ,97)	RS1/16S0R0J
	R 2523(B,124 ,106)	RS1/16S104J
	R 2524(B,124 ,97)	RS1/16S104J
	R 2525(B,86 ,87)	RS1/16S563J
	R 2526(B,86 ,81)	RS1/16S563J
	R 2527(B,93 ,85)	RS1/16S222J
	R 2528(B,93 ,82)	RS1/16S222J
	R 2529(B,99 ,90)	RS1/16S751J
	R 2530(B,99 ,77)	RS1/16S751J
	R 2531(A,92 ,89)	RS1/16S472J
	R 2532(A,92 ,77)	RS1/16S472J
	R 2533(B,99 ,86)	RS1/16S104J
	R 2534(B,99 ,81)	RS1/16S104J
	R 2535(A,105 ,87)	RS1/16S472J
	R 2536(A,105 ,80)	RS1/16S472J
	R 2537(B,115 ,88)	RS1/16S102J
	R 2538(B,115 ,79)	RS1/16S102J
	R 2539(B,111 ,86)	RS1/16S183J
	R 2540(B,109 ,81)	RS1/16S183J
	R 2541(B,109 ,86)	RS1/16S512J
	R 2542(B,111 ,81)	RS1/16S512J
	R 2543(A,117 ,89)	RS1/16S153J
	R 2544(A,117 ,77)	RS1/16S153J
	R 2545(B,117 ,88)	RS1/16S0R0J
	R 2546(B,117 ,79)	RS1/16S0R0J
	R 2547(B,124 ,88)	RS1/16S104J
	R 2548(B,124 ,79)	RS1/16S104J
	R 2549(A,102 ,114)	RS1/16S473J
	R 2551(B,86 ,69)	RS1/16S563J
	R 2552(B,86 ,63)	RS1/16S563J
	R 2553(B,93 ,67)	RS1/16S222J
	R 2554(B,93 ,64)	RS1/16S222J
	R 2555(B,99 ,72)	RS1/16S751J
	R 2556(B,99 ,59)	RS1/16S751J
	R 2557(A,92 ,72)	RS1/16S472J
	R 2558(A,92 ,60)	RS1/16S472J
	R 2559(B,99 ,68)	RS1/16S104J
	R 2560(B,99 ,63)	RS1/16S104J
	R 2561(A,105 ,69)	RS1/16S472J
	R 2562(A,105 ,62)	RS1/16S472J
	R 2563(B,115 ,70)	RS1/16S102J
	R 2564(B,115 ,61)	RS1/16S102J
	R 2565(B,111 ,68)	RS1/16S183J
	R 2566(B,111 ,63)	RS1/16S183J
	R 2567(B,109 ,68)	RS1/16S512J
	R 2568(B,109 ,63)	RS1/16S512J
	R 2569(A,117 ,71)	RS1/16S153J
	R 2570(A,117 ,59)	RS1/16S153J
	R 2571(B,117 ,70)	RS1/16S0R0J
	R 2572(B,117 ,61)	RS1/16S0R0J
	R 2573(B,124 ,70)	RS1/16S104J

Mark	No. Description	Part No.
	R 2574(B,124 ,61)	RS1/16S104J
	R 2575(B,73 ,38)	RS1/16S563J
	R 2576(B,73 ,33)	RS1/16S563J
	R 2577(B,93 ,49)	RS1/16S202J
	R 2578(B,93 ,46)	RS1/16S202J
	R 2579(B,99 ,54)	RS1/16S751J
	R 2580(B,99 ,41)	RS1/16S751J
	R 2581(A,92 ,55)	RS1/16S472J
	R 2582(A,92 ,42)	RS1/16S472J
	R 2583(B,99 ,50)	RS1/16S104J
	R 2584(B,99 ,45)	RS1/16S104J
	R 2585(A,105 ,51)	RS1/16S472J
	R 2586(A,105 ,44)	RS1/16S472J
	R 2587(B,115 ,52)	RS1/16S102J
	R 2588(B,115 ,43)	RS1/16S102J
	R 2589(B,111 ,50)	RS1/16S822J
	R 2590(B,111 ,45)	RS1/16S822J
	R 2591(B,109 ,50)	RS1/16S822J
	R 2592(B,109 ,45)	RS1/16S822J
	R 2593(A,117 ,53)	RS1/16S153J
	R 2594(A,117 ,42)	RS1/16S153J
	R 2595(B,117 ,52)	RS1/16S0R0J
	R 2596(B,117 ,43)	RS1/16S0R0J
	R 2597(B,124 ,52)	RS1/16S104J
	R 2598(B,124 ,43)	RS1/16S104J
	R 2599(A,107 ,114)	RS1/16S473J
	R 2625(A,58 ,99)	RS1/16S242J
	R 2626(A,74 ,99)	RS1/16S242J
	R 2627(A,60 ,100)	RS1/16S560J
	R 2628(A,72 ,100)	RS1/16S560J
	R 2629(A,58 ,101)	RS1/16S332J
	R 2630(A,74 ,101)	RS1/16S332J
	R 2631(A,59 ,103)	RS1/16S0R0J
	R 2632(A,73 ,103)	RS1/16S0R0J
	R 2633(A,59 ,106)	RS1/16S222J
	R 2634(A,73 ,106)	RS1/16S222J
	R 2635(A,61 ,106)	RS1/16S101J
	R 2636(A,72 ,106)	RS1/16S101J
	R 2637(B,71 ,113)	RS1/16S474J
	R 2638(B,71 ,117)	RS1/16S474J
	R 2641(A,50 ,109)	RS1/16S472J
	R 2642(A,39 ,109)	RS1/16S472J
	R 2643(B,48 ,106)	RS1/16S101J
	R 2644(B,41 ,106)	RS1/16S101J
	R 2645(A,49 ,118)	RS1/16S113J
	R 2646(A,39 ,118)	RS1/16S113J
	R 2647(A,52 ,113)	RS1/16S0R0J
	R 2648(A,37 ,113)	RS1/16S0R0J
	R 2649(A,51 ,118)	RS1/16S153J
	R 2650(A,37 ,118)	RS1/16S153J
	R 2651(A,50 ,115)	RS1/16S113J
	R 2652(A,39 ,115)	RS1/16S113J
	R 2653(A,50 ,112)	RS1/16S472J
	R 2654(A,39 ,112)	RS1/16S472J
	R 2655(B,46 ,106)	RS1/16S474J
	R 2656(B,43 ,106)	RS1/16S474J
	R 2657(B,60 ,75)	RS1/16S0R0J
	R 2658(B,57 ,74)	RS1/16S0R0J
	R 2663(B,81 ,104)	RS1/16S101J
	R 2664(B,81 ,96)	RS1/16S101J

Mark	No.	Description	Part No.
R	2665(B,81 ,85)		RS1/16S101J
R	2666(B,80 ,79)		RS1/16S101J
R	2667(B,80 ,68)		RS1/16S101J
R	2668(B,80 ,64)		RS1/16S101J
R	2669(B,67 ,40)		RS1/16S101J
R	2670(B,67 ,36)		RS1/16S101J
R	2673(B,69 ,27)		RS1/16S101J
R	2674(B,69 ,22)		RS1/16S101J
R	2675(B,75 ,26)		RS1/16S563J
R	2676(B,75 ,22)		RS1/16S563J
R	2677(B,63 ,65)		RS1/16S102J
R	2678(B,67 ,65)		RS1/16S102J
R	2681(B,56 ,28)		RS1/16S102J
R	2682(B,58 ,28)		RS1/16S102J
R	2685(B,23 ,57)		RS1/16S472J
R	2686(B,23 ,76)		RS1/16S472J
R	2687(B,23 ,59)		RS1/16S101J
R	2688(B,23 ,74)		RS1/16S101J
R	2689(A,59 ,94)		RS1/16S473J
R	2690(B,75 ,100)		RS1/16S473J
R	2691(B,77 ,105)		RS1/16S473J
R	2692(B,77 ,41)		RS1/16S473J
R	2693(B,77 ,43)		RS1/16S473J
R	2694(A,133 ,41)		RS1/16S102J
R	2695(B,38 ,24)		RS1/16S473J
R	2697(A,133 ,23)		RS1/16S472J
R	2719(A,134 ,36)		RS1/16S102J
R	2720(A,104 ,114)		RS1/16S473J
R	2721(A,133 ,33)		RS1/16S473J
R	2722(A,133 ,27)		RS1/16S472J
R	2723(A,105 ,114)		RS1/16S473J
R	2751(A,118 ,210)		RS1/16S472J
R	2752(A,121 ,213)		RS1/16S472J
R	2753(B,111 ,216)		RS1/16S472J
R	2754(B,119 ,216)		RS1/16S472J
R	2755(B,121 ,211)		RS1/16S180J
R	2756(B,123 ,211)		RS1/16S180J
R	2757(B,130 ,211)		RS1/16S103J
R	2758(B,133 ,203)		RS1/16S103J
R	2759(A,125 ,210)		RS1/16S102J
R	2760(A,128 ,214)		RS1/16S0R0J
R	2771(B,140 ,197)		RS1/16S0R0J
R	2772(B,151 ,202)		RS1/16S391J
R	9761(B,130 ,143)		RS1/16S0R0J

CAPACITORS

Mark	No.	Description	Part No.
C	2411(A,41 ,191)		CKSRYB103K50
C	2412(A,41 ,187)		CKSRYB103K50
C	2415(A,32 ,191)		CKSRYB103K50
C	2416(A,32 ,187)		CKSRYB103K50
C	2419(A,53 ,184)		CKSRYB103K50
C	2420(A,53 ,181)		CKSRYB103K50
C	2424(A,63 ,200)		CEAT101M10
C	2425(A,57 ,200)		CEAT101M10
C	2426(A,51 ,200)		CEAT101M10
C	2427(B,65 ,211)		CKSRYB104K16
C	2428(B,65 ,205)		CKSRYB104K16
C	2431(A,69 ,213)		CEAT101M10
C	2432(A,69 ,207)		CEAT101M10
C	2434(B,99 ,222)		CCSRCH181J50

Mark	No.	Description	Part No.
C	2438(B,86 ,172)		CKSRYB103K50
C	2439(B,27 ,191)		CKSRYB224K10
C	2440(B,27 ,187)		CKSRYB224K10
C	2453(B,18 ,221)		CKSRYB103K50
C	2454(B,32 ,222)		CKSRYB103K50
C	2455(B,62 ,223)		CKSRYB103K50
C	2456(B,74 ,223)		CKSRYB103K50
C	2457(B,94 ,219)		CKSRYB103K50
C	2460(A,20 ,212)		CKSRYB104K16
C	2467(A,38 ,167)	ELECT. CAPACITOR	CEAT102M6R3
C	2468(A,39 ,176)		CEAT471M6R3
C	2469(A,32 ,176)		CEAT471M6R3
C	2501(A,84 ,105)		CEAT470M25
C	2502(A,84 ,98)		CEAT470M25
C	2503(A,101 ,107)		CEAT4R7M50
C	2504(A,101 ,96)		CEAT4R7M50
C	2505(A,96 ,104)		CKSRYB103K50
C	2506(A,96 ,100)		CKSRYB103K50
C	2507(A,107 ,104)		CKSRYB223K50
C	2508(A,107 ,99)		CKSRYB223K50
C	2509(A,109 ,107)		CEAT101M16
C	2510(A,109 ,96)		CEAT101M16
C	2511(A,117 ,109)		CCSRCH101J50
C	2512(A,117 ,95)		CCSRCH101J50
C	2513(A,120 ,100)		CKSRYB103K50
C	2514(A,120 ,103)		CKSRYB103K50
C	2515(A,121 ,107)		CEAT470M25
C	2516(A,121 ,96)		CEAT470M25
C	2525(A,84 ,87)		CEAT470M25
C	2526(A,84 ,80)		CEAT470M25
C	2527(A,101 ,89)		CEAT4R7M50
C	2528(A,101 ,78)		CEAT4R7M50
C	2529(A,96 ,86)		CKSRYB103K50
C	2530(A,96 ,82)		CKSRYB103K50
C	2531(A,107 ,86)		CKSRYB223K50
C	2532(A,107 ,81)		CKSRYB223K50
C	2533(A,109 ,89)		CEAT101M16
C	2534(A,109 ,78)		CEAT101M16
C	2535(A,117 ,90)		CCSRCH101J50
C	2536(A,117 ,78)		CCSRCH101J50
C	2537(A,120 ,82)		CKSRYB103K50
C	2538(A,120 ,85)		CKSRYB103K50
C	2539(A,121 ,89)		CEAT470M25
C	2540(A,121 ,78)		CEAT470M25
C	2551(A,84 ,69)		CEAT470M25
C	2552(A,84 ,62)		CEAT470M25
C	2553(A,101 ,71)		CEAT4R7M50
C	2554(A,101 ,60)		CEAT4R7M50
C	2555(A,96 ,68)		CKSRYB103K50
C	2556(A,96 ,64)		CKSRYB103K50
C	2557(A,107 ,68)		CKSRYB223K50
C	2558(A,107 ,63)		CKSRYB223K50
C	2559(A,109 ,71)		CEAT101M16
C	2560(A,109 ,60)		CEAT101M16
C	2561(A,117 ,72)		CCSRCH101J50
C	2562(A,117 ,60)		CCSRCH101J50
C	2563(A,120 ,64)		CKSRYB103K50
C	2564(A,120 ,67)		CKSRYB103K50
C	2565(A,121 ,71)		CEAT470M25
C	2566(A,121 ,60)		CEAT470M25

Mark	No.	Description	Part No.
	C 2575(A,70 ,39)		CEAT470M25
	C 2576(A,70 ,33)		CEAT470M25
	C 2577(A,101 ,53)		CEAT4R7M50
	C 2578(A,101 ,42)		CEAT4R7M50
	C 2579(A,96 ,50)		CKSRYB103K50
	C 2580(A,96 ,46)		CKSRYB103K50
	C 2581(A,107 ,50)		CKSRYB223K50
	C 2582(A,107 ,45)		CKSRYB223K50
	C 2583(A,109 ,53)		CEAT101M16
	C 2584(A,109 ,42)		CEAT101M16
	C 2585(A,117 ,54)		CCSRCH101J50
	C 2586(A,117 ,41)		CCSRCH101J50
	C 2587(A,120 ,46)		CKSRYB103K50
	C 2588(A,120 ,49)		CKSRYB103K50
	C 2589(A,121 ,53)		CEAT470M25
	C 2590(A,121 ,42)		CEAT470M25
	C 2621(B,147 ,117)		CKSRYB103K50
	C 2623(B,144 ,75)		CKSRYB104K16
	C 2626(A,23 ,61)		CEAT2R2M50
	C 2627(A,23 ,69)		CEAT2R2M50
	C 2628(A,34 ,61)		CEAT100M50
	C 2629(A,34 ,70)		CEAT100M50
	C 2631(B,42 ,97)		CKSRYB103K50
	C 2632(A,43 ,89)		CKSRYB103K50
	C 2633(A,61 ,103)		CCSRCH101J50
	C 2634(A,72 ,103)		CCSRCH101J50
	C 2635(B,68 ,107)		CKSRYB103K50
	C 2636(B,66 ,107)		CKSRYB103K50
	C 2637(A,74 ,112)		CEAT100M50
	C 2638(A,74 ,118)		CEAT100M50
	C 2639(A,51 ,111)		CCSRCH220J50
	C 2640(A,37 ,111)		CCSRCH220J50
	C 2641(B,42 ,111)		CKSRYB103K50
	C 2642(A,46 ,113)		CKSRYB103K50
	C 2643(A,51 ,115)		CCSRCH220J50
	C 2644(A,37 ,115)		CCSRCH220J50
	C 2645(A,47 ,103)		CEAT100M50
	C 2646(A,41 ,103)		CEAT100M50
	C 2647(B,42 ,117)		CKSRYB103K50
	C 2648(A,46 ,120)		CKSRYB103K50
	C 2649(A,61 ,94)		CKSRYB103K50
	C 2650(A,55 ,88)		CKSRYB103K50
	C 2651(A,63 ,113)		CKSRYB103K50
	C 2652(A,55 ,117)		CKSRYB103K50
	C 2653(B,73 ,94)		CKSRYB103K50
	C 2654(B,75 ,94)		CKSRYB103K50
	C 2655(B,69 ,48)		CKSRYB103K50
	C 2656(B,82 ,54)		CKSRYB103K50
	C 2657(B,46 ,32)		CKSRYB103K50
	C 2658(B,42 ,32)		CKSRYB103K50
	C 2660(A,50 ,59)		CEAT100M50
	C 2661(A,56 ,59)		CEAT100M50
	C 2662(A,62 ,59)		CEAT100M50
	C 2663(A,68 ,59)		CEAT100M50
	C 2664(B,66 ,69)		CCSRCH101J50
	C 2665(B,64 ,67)		CCSRCH101J50
	C 2666(A,70 ,67)		CKSRYB103K50
	C 2667(A,71 ,69)		CKSRYB103K50
	C 2668(A,70 ,71)		CKSRYB103K50
	C 2675(A,67 ,86)		CEAT100M50

Mark	No.	Description	Part No.
	C 2676(A,73 ,86)		CEAT100M50
	C 2677(A,46 ,19)		CEAT100M50
	C 2678(A,51 ,19)		CEAT100M50
	C 2679(A,57 ,19)		CEAT100M50
	C 2680(A,63 ,19)		CEAT100M50
	C 2681(B,60 ,30)		CCSRCH101J50
	C 2682(B,54 ,30)		CCSRCH101J50
	C 2683(A,62 ,28)		CKSRYB103K50
	C 2684(A,64 ,31)		CKSRYB103K50
	C 2685(A,62 ,32)		CKSRYB103K50
	C 2692(A,48 ,44)		CEAT100M50
	C 2693(A,42 ,44)		CEAT100M50
	C 2695(A,72 ,27)		CEAT470M25
	C 2696(A,72 ,21)		CEAT470M25
	C 2698(A,131 ,24)		CKSRYB104K16
	C 2699(A,131 ,42)		CKSRYB473K25
	C 2700(A,131 ,22)		CKSRYB224K16
	C 2714(A,131 ,35)		CKSRYB473K25
	C 2716(A,131 ,28)		CKSRYB224K16
	C 2717(A,131 ,26)		CKSRYB104K16
	C 2751(B,107 ,220)		CKSRYB103K50
	C 2752(B,113 ,220)		CKSRYB103K50
	C 2754(A,131 ,205)	ELECT. CAPACITOR	CEATR10M50
	C 2771(A,148 ,198)		CEAT101M16
	C 2781(B,151 ,217)		CKSRYB104K16
	C 2782(B,149 ,217)		CKSRYB471K50
	C 2783(B,151 ,213)		CKSRYB104K16
	C 2784(B,149 ,213)		CKSRYB471K50

K COMPONENT&VOL ASSY (VSX-72TXV)

MISCELLANEOUS

Mark	No.	Description	Part No.
	IC 2401(A,45 ,189)	MULTIPLEXER(4CH*2)	TC74LVX4052FT
	IC 2402(A,36 ,189)	MULTIPLEXER(4CH*2)	TC74LVX4052FT
	IC 2404(A,58 ,182)	MULTIPLEXER(2CH*3)	TC74LVX4053FT
	IC 2405(B,59 ,208)	VIDEO IC	NJM2581M
	IC 2407(B,94 ,175)	LOGIC IC	CD4094BNS
	IC 2501(A,116 ,102)	OP-AMP IC	UPC4570G2
	IC 2525(A,116 ,84)	OP-AMP IC	UPC4570G2
	IC 2551(A,116 ,66)	OP-AMP IC	UPC4570G2
	IC 2575(A,116 ,48)	OP-AMP IC	UPC4570G2
	IC 2630(B,58 ,91)	IC	TC4066BFN
	IC 2632(A,66 ,105)	OP-AMP IC	BA4560RF
	IC 2637(A,62 ,73)	AUDIO IC	BD3813KS
	IC 2638(A,54 ,35)	AUDIO IC	BD3813KS
	IC 2639(B,75 ,51)	IC	TC4052BFN
	IC 2640(A,146 ,112)	LOGIC IC	CD4094BNS
⚠	Q 2407(B,28 ,196)	TRANSISTOR	2SC4081
⚠	Q 2408(B,28 ,183)	TRANSISTOR	2SA1576A
	Q 2501(A,93 ,104)	CHIP TRANSISTOR	2SD2704K
	Q 2502(A,93 ,99)	CHIP TRANSISTOR	2SD2704K
	Q 2503(B,105 ,105)	CHIP TRANSISTOR	2SD2704K
	Q 2504(B,105 ,98)	CHIP TRANSISTOR	2SD2704K
	Q 2525(A,93 ,86)	CHIP TRANSISTOR	2SD2704K
	Q 2526(A,93 ,81)	CHIP TRANSISTOR	2SD2704K
	Q 2527(B,105 ,87)	CHIP TRANSISTOR	2SD2704K
	Q 2528(B,105 ,80)	CHIP TRANSISTOR	2SD2704K
	Q 2551(A,93 ,68)	CHIP TRANSISTOR	2SD2704K
	Q 2552(A,93 ,63)	CHIP TRANSISTOR	2SD2704K

Mark	No.	Description	Part No.
	Q 2553(B,105 ,69)	CHIP TRANSISTOR	2SD2704K
	Q 2554(B,105 ,62)	CHIP TRANSISTOR	2SD2704K
	Q 2575(A,93 ,50)	CHIP TRANSISTOR	2SD2704K
	Q 2576(A,93 ,45)	CHIP TRANSISTOR	2SD2704K
	Q 2577(B,105 ,51)	CHIP TRANSISTOR	2SD2704K
	Q 2578(B,105 ,44)	CHIP TRANSISTOR	2SD2704K
	Q 2631(A,55 ,94)	TRANSISTOR	RT1N241M
	Q 2633(A,82 ,48)	TRANSISTOR	RT1N241M
	Q 2634(A,79 ,48)	TRANSISTOR	RT1N241M
	Q 2635(B,133 ,41)	DIGITAL TR(SC-70)	RT1P241M
	Q 2636(B,133 ,36)	DIGITAL TR(SC-70)	RT1P241M
	Q 2637(B,133 ,24)	DIGITAL TR(SC-70)	RT1P241M
	Q 2638(B,134 ,31)	DIGITAL TR(SC-70)	RT1P241M
	Q 2639(B,145 ,129)	DIGITAL TR(SC-70)	RT1P241M
	Q 2640(B,145 ,134)	DIGITAL TR(SC-70)	RT1P241M
⚠	Q 2641(A,28 ,58)	TRANSISTOR	2SD1858X
⚠	Q 2642(A,28 ,75)	TRANSISTOR	2SB1238X
	Q 2644(A,134 ,30)	TRANSISTOR	UMH1N
	Q 2645(A,58 ,96)	DIGITAL TR(SC-70)	RT1P241M
	Q 2751(B,109 ,216)	TRANSISTOR	2SA1576A
	Q 2752(B,116 ,216)	TRANSISTOR	2SA1576A
	Q 2753(A,121 ,210)	TRANSISTOR	UMH1N
	Q 2754(B,126 ,211)	TRANSISTOR	2SA1576A
	Q 2771(B,146 ,203)	TRANSISTOR	2SD1664
	D 2401(B,20 ,192)	DIODE	1SS355
	D 2402(B,21 ,208)	DIODE	1SS355
	D 2503(A,22 ,37)	DIODE	DAN217
	D 2504(A,70 ,124)	DIODE	DAN217
	D 2505(A,62 ,124)	DIODE	DAN217
	D 2517(B,20 ,64)	DIODE	UDZS7R5(B)
	D 2518(B,20 ,69)	DIODE	UDZS7R5(B)
	D 2519(B,150 ,90)	DIODE	1SS355
	D 2520(B,138 ,36)	DIODE	DAP202U
	D 2521(B,138 ,24)	DIODE	DAN202U
	D 2751(B,129 ,204)	DIODE	UDZS5R1(B)
	D 2752(A,124 ,214)	DIODE	1SS355
	D 2772(B,151 ,197)	DIODE	UDZS10(B)
	L 2751(A,127 ,202)	CHIP SOLID INDUCTOR	ATL7002
	L 2754(A,129 ,217)	CHIP SOLID INDUCTOR	QTL1013
	L 2755(A,122 ,217)	CHIP SOLID INDUCTOR	QTL1013
	L 2756(A,126 ,217)	CHIP SOLID INDUCTOR	QTL1013
	L 2757(A,134 ,191)	CHIP BEADS	VTL1083
	L 2758(A,143 ,190)	CHIP BEADS	VTL1083
	L 2759(A,80 ,201)	CHIP BEADS	VTL1083
	L 2760(B,142 ,205)	CHIP BEADS	VTL1083
	JA 2401(A,68 ,231)	6P RCA PINJACK	XKB3053
	JA 2402(A,26 ,231)	6P RCA PINJACK	XKB3053
	JA 2403(A,96 ,231)	PIN JACK(1P)	AKB7175
	JA 2702(A,125 ,231)	2P JACK	XKN3013
	KN2701(A,144 ,226)	SCREW PLATE	VNE1948
	CN2402(A,14 ,197)	7P SOCKET	KP200TA7L
	CN2403(A,18 ,176)	13P SOCKET	XKP3077
	CN2409(A,78 ,195)	CONNECTOR	52045-1745
	CN2501(A,14 ,55)	B TO B CONNCTOR	BTEM14P-1R
	CN2502(A,44 ,137)	CONNECTOR	52045-1745
	CN2503(A,14 ,102)	B TO B CONNCTOR	BTEM20P-1R
	CN2504(A,143 ,72)	23P SOCKET	XKP3082
	CN2505(A,14 ,140)	7P SOCKET	KP200TA7L
	CN2506(A,18 ,20)	11P SOCKET	XKP3076
	CN2601(A,110 ,130)	19P CONNECTOR	52045-1945

Mark	No.	Description	Part No.
	CN2602(A,99 ,137)	26P CONNECTOR	52045-2645
	CN2603(A,70 ,137)	19P CONNECTOR	52045-1945
	CN2701(A,110 ,231)	JACK	AKN-209
	CN2702(A,151 ,178)	CONNECTOR	52045-1145
	2701(A,143 ,149)	PCB BINDER	VEF1040

RESISTORS

Mark	No.	Description	Part No.
	R 2401(B,85 ,224)		RS1/16S750J
	R 2402(B,69 ,221)		RS1/16S750J
	R 2403(B,56 ,223)		RS1/16S750J
	R 2404(B,41 ,223)		RS1/16S750J
	R 2405(B,28 ,223)		RS1/16S750J
	R 2406(B,16 ,223)		RS1/16S750J
	R 2407(B,36 ,222)		RS1/16S750J
	R 2408(B,23 ,223)		RS1/16S750J
	R 2409(B,9 ,222)		RS1/16S750J
	R 2433(B,103 ,218)		RS1/16S750J
	R 2439(B,65 ,215)		RS1/16S750J
	R 2440(B,59 ,215)		RS1/16S750J
	R 2441(B,52 ,215)		RS1/16S750J
	R 2443(A,93 ,178)		RS1/16S473J
	R 2444(A,95 ,178)		RS1/16S473J
	R 2445(A,93 ,173)		RS1/16S473J
	R 2446(A,97 ,173)		RS1/16S473J
	R 2447(A,91 ,176)		RS1/16S473J
	R 2448(A,95 ,173)		RS1/16S473J
	R 2449(A,95 ,166)		RS1/16S473J
	R 2451(B,25 ,195)		RS1/16S153J
	R 2452(B,25 ,183)		RS1/16S153J
	R 2453(B,25 ,191)		RS1/16S333J
	R 2454(B,25 ,187)		RS1/16S333J
	R 2467(B,23 ,169)		RS1/16S750J
	R 2468(B,25 ,172)		RS1/16S750J
	R 2469(B,23 ,176)		RS1/16S750J
	R 2501(B,86 ,104)		RS1/16S563J
	R 2502(B,86 ,99)		RS1/16S563J
	R 2503(B,93 ,103)		RS1/16S222J
	R 2504(B,93 ,100)		RS1/16S222J
	R 2505(B,99 ,108)		RS1/16S751J
	R 2506(B,99 ,95)		RS1/16S751J
	R 2507(A,92 ,108)		RS1/16S472J
	R 2508(A,92 ,96)		RS1/16S472J
	R 2509(B,99 ,104)		RS1/16S104J
	R 2510(B,99 ,99)		RS1/16S104J
	R 2511(A,105 ,105)		RS1/16S472J
	R 2512(A,105 ,98)		RS1/16S472J
	R 2513(B,115 ,106)		RS1/16S102J
	R 2514(B,115 ,97)		RS1/16S102J
	R 2515(B,111 ,104)		RS1/16S183J
	R 2516(B,111 ,99)		RS1/16S183J
	R 2517(B,109 ,104)		RS1/16S512J
	R 2518(B,109 ,99)		RS1/16S512J
	R 2519(A,117 ,107)		RS1/16S153J
	R 2520(A,117 ,96)		RS1/16S153J
	R 2521(B,117 ,106)		RS1/16S0R0J
	R 2522(B,117 ,97)		RS1/16S0R0J
	R 2523(B,124 ,106)		RS1/16S104J
	R 2524(B,124 ,97)		RS1/16S104J
	R 2525(B,86 ,87)		RS1/16S563J
	R 2526(B,86 ,81)		RS1/16S563J

Mark	No. Description	Part No.
R	2527(B,93 ,85)	RS1/16S222J
R	2528(B,93 ,82)	RS1/16S222J
R	2529(B,99 ,90)	RS1/16S751J
R	2530(B,99 ,77)	RS1/16S751J
R	2531(A,92 ,89)	RS1/16S472J
R	2532(A,92 ,77)	RS1/16S472J
R	2533(B,99 ,86)	RS1/16S104J
R	2534(B,99 ,81)	RS1/16S104J
R	2535(A,105 ,87)	RS1/16S472J
R	2536(A,105 ,80)	RS1/16S472J
R	2537(B,115 ,88)	RS1/16S102J
R	2538(B,115 ,79)	RS1/16S102J
R	2539(B,111 ,86)	RS1/16S183J
R	2540(B,109 ,81)	RS1/16S183J
R	2541(B,109 ,86)	RS1/16S512J
R	2542(B,111 ,81)	RS1/16S512J
R	2543(A,117 ,89)	RS1/16S153J
R	2544(A,117 ,77)	RS1/16S153J
R	2545(B,117 ,88)	RS1/16S0R0J
R	2546(B,117 ,79)	RS1/16S0R0J
R	2547(B,124 ,88)	RS1/16S104J
R	2548(B,124 ,79)	RS1/16S104J
R	2549(A,102 ,114)	RS1/16S473J
R	2551(B,86 ,69)	RS1/16S563J
R	2552(B,86 ,63)	RS1/16S563J
R	2553(B,93 ,67)	RS1/16S222J
R	2554(B,93 ,64)	RS1/16S222J
R	2555(B,99 ,72)	RS1/16S751J
R	2556(B,99 ,59)	RS1/16S751J
R	2557(A,92 ,72)	RS1/16S472J
R	2558(A,92 ,60)	RS1/16S472J
R	2559(B,99 ,68)	RS1/16S104J
R	2560(B,99 ,63)	RS1/16S104J
R	2561(A,105 ,69)	RS1/16S472J
R	2562(A,105 ,62)	RS1/16S472J
R	2563(B,115 ,70)	RS1/16S102J
R	2564(B,115 ,61)	RS1/16S102J
R	2565(B,111 ,68)	RS1/16S183J
R	2566(B,111 ,63)	RS1/16S183J
R	2567(B,109 ,68)	RS1/16S512J
R	2568(B,109 ,63)	RS1/16S512J
R	2569(A,117 ,71)	RS1/16S153J
R	2570(A,117 ,59)	RS1/16S153J
R	2571(B,117 ,70)	RS1/16S0R0J
R	2572(B,117 ,61)	RS1/16S0R0J
R	2573(B,124 ,70)	RS1/16S104J
R	2574(B,124 ,61)	RS1/16S104J
R	2575(B,73 ,38)	RS1/16S563J
R	2576(B,73 ,33)	RS1/16S563J
R	2577(B,93 ,49)	RS1/16S202J
R	2578(B,93 ,46)	RS1/16S202J
R	2579(B,99 ,54)	RS1/16S751J
R	2580(B,99 ,41)	RS1/16S751J
R	2581(A,92 ,55)	RS1/16S472J
R	2582(A,92 ,42)	RS1/16S472J
R	2583(B,99 ,50)	RS1/16S104J
R	2584(B,99 ,45)	RS1/16S104J
R	2585(A,105 ,51)	RS1/16S472J
R	2586(A,105 ,44)	RS1/16S472J
R	2587(B,115 ,52)	RS1/16S102J

Mark	No. Description	Part No.
R	2588(B,115 ,43)	RS1/16S102J
R	2589(B,111 ,50)	RS1/16S822J
R	2590(B,111 ,45)	RS1/16S822J
R	2591(B,109 ,50)	RS1/16S822J
R	2592(B,109 ,45)	RS1/16S822J
R	2593(A,117 ,53)	RS1/16S153J
R	2594(A,117 ,42)	RS1/16S153J
R	2595(B,117 ,52)	RS1/16S0R0J
R	2596(B,117 ,43)	RS1/16S0R0J
R	2597(B,124 ,52)	RS1/16S104J
R	2598(B,124 ,43)	RS1/16S104J
R	2599(A,107 ,114)	RS1/16S473J
R	2625(A,58 ,99)	RS1/16S242J
R	2626(A,74 ,99)	RS1/16S242J
R	2627(A,60 ,100)	RS1/16S560J
R	2628(A,72 ,100)	RS1/16S560J
R	2629(A,58 ,101)	RS1/16S332J
R	2630(A,74 ,101)	RS1/16S332J
R	2631(A,59 ,103)	RS1/16S0R0J
R	2632(A,73 ,103)	RS1/16S0R0J
R	2633(A,59 ,106)	RS1/16S222J
R	2634(A,73 ,106)	RS1/16S222J
R	2635(A,61 ,106)	RS1/16S101J
R	2636(A,72 ,106)	RS1/16S101J
R	2637(B,71 ,113)	RS1/16S474J
R	2638(B,71 ,117)	RS1/16S474J
R	2659(A,48 ,80)	RS1/16S0R0J
R	2660(A,46 ,85)	RS1/16S0R0J
R	2661(B,46 ,90)	RS1/16S0R0J
R	2662(B,43 ,93)	RS1/16S0R0J
R	2663(B,81 ,104)	RS1/16S101J
R	2664(B,81 ,96)	RS1/16S101J
R	2665(B,81 ,85)	RS1/16S101J
R	2666(B,80 ,79)	RS1/16S101J
R	2667(B,80 ,68)	RS1/16S101J
R	2668(B,80 ,64)	RS1/16S101J
R	2669(B,67 ,40)	RS1/16S101J
R	2670(B,67 ,36)	RS1/16S101J
R	2673(B,69 ,27)	RS1/16S101J
R	2674(B,69 ,22)	RS1/16S101J
R	2675(B,75 ,26)	RS1/16S563J
R	2676(B,75 ,22)	RS1/16S563J
R	2677(B,63 ,65)	RS1/16S102J
R	2678(B,67 ,65)	RS1/16S102J
R	2681(B,56 ,28)	RS1/16S102J
R	2682(B,58 ,28)	RS1/16S102J
R	2685(B,23 ,57)	RS1/16S472J
R	2686(B,23 ,76)	RS1/16S472J
R	2687(B,23 ,59)	RS1/16S101J
R	2688(B,23 ,74)	RS1/16S101J
R	2689(A,59 ,94)	RS1/16S473J
R	2692(B,77 ,41)	RS1/16S473J
R	2693(B,77 ,43)	RS1/16S473J
R	2694(A,133 ,41)	RS1/16S102J
R	2697(A,133 ,23)	RS1/16S472J
R	2698(A,37 ,24)	RS1/16S0R0J
R	2699(A,38 ,36)	RS1/16S0R0J
R	2719(A,134 ,36)	RS1/16S102J
R	2720(A,104 ,114)	RS1/16S473J
R	2721(A,133 ,33)	RS1/16S473J

Mark	No.	Description	Part No.
R	2722(A,133 ,27)		RS1/16S472J
R	2723(A,105 ,114)		RS1/16S473J
R	2751(A,118 ,210)		RS1/16S472J
R	2752(A,121 ,213)		RS1/16S472J
R	2753(B,111 ,216)		RS1/16S472J
R	2754(B,119 ,216)		RS1/16S472J
R	2755(B,121 ,211)		RS1/16S180J
R	2756(B,123 ,211)		RS1/16S180J
R	2757(B,130 ,211)		RS1/16S103J
R	2758(B,133 ,203)		RS1/16S103J
R	2759(A,125 ,210)		RS1/16S102J
R	2760(A,128 ,214)		RS1/16S0R0J
R	2771(B,140 ,197)		RS1/16S0R0J
R	2772(B,151 ,202)		RS1/16S391J
R	9761(B,130 ,143)		RS1/16S0R0J

CAPACITORS

Mark	No.	Description	Part No.
C	2411(A,41 ,191)		CKSRYB103K50
C	2412(A,41 ,187)		CKSRYB103K50
C	2415(A,32 ,191)		CKSRYB103K50
C	2416(A,32 ,187)		CKSRYB103K50
C	2419(A,53 ,184)		CKSRYB103K50
C	2420(A,53 ,181)		CKSRYB103K50
C	2424(A,63 ,200)		CEAT101M10
C	2425(A,57 ,200)		CEAT101M10
C	2426(A,51 ,200)		CEAT101M10
C	2427(B,65 ,211)		CKSRYB104K16
C	2428(B,65 ,205)		CKSRYB104K16
C	2431(A,69 ,213)		CEAT101M10
C	2432(A,69 ,207)		CEAT101M10
C	2434(B,99 ,222)		CCSRCH181J50
C	2438(B,86 ,172)		CKSRYB103K50
C	2439(B,27 ,191)		CKSRYB224K10
C	2440(B,27 ,187)		CKSRYB224K10
C	2453(B,18 ,221)		CKSRYB103K50
C	2454(B,32 ,222)		CKSRYB103K50
C	2455(B,62 ,223)		CKSRYB103K50
C	2456(B,74 ,223)		CKSRYB103K50
C	2457(B,94 ,219)		CKSRYB103K50
C	2460(A,20 ,212)		CKSRYB104K16
C	2467(A,38 ,167)	ELECT. CAPACITOR	CEAT102M6R3
C	2468(A,39 ,176)		CEAT471M6R3
C	2469(A,32 ,176)		CEAT471M6R3
C	2501(A,84 ,105)		CEAT470M25
C	2502(A,84 ,98)		CEAT470M25
C	2503(A,101 ,107)		CEAT4R7M50
C	2504(A,101 ,96)		CEAT4R7M50
C	2505(A,96 ,104)		CKSRYB103K50
C	2506(A,96 ,100)		CKSRYB103K50
C	2507(A,107 ,104)		CKSRYB223K50
C	2508(A,107 ,99)		CKSRYB223K50
C	2509(A,109 ,107)		CEAT101M16
C	2510(A,109 ,96)		CEAT101M16
C	2511(A,117 ,109)		CCSRCH101J50
C	2512(A,117 ,95)		CCSRCH101J50
C	2513(A,120 ,100)		CKSRYB103K50
C	2514(A,120 ,103)		CKSRYB103K50
C	2515(A,121 ,107)		CEAT470M25
C	2516(A,121 ,96)		CEAT470M25
C	2525(A,84 ,87)		CEAT470M25
C	2526(A,84 ,80)		CEAT470M25
C	2527(A,101 ,89)		CEAT4R7M50
C	2528(A,101 ,78)		CEAT4R7M50
C	2529(A,96 ,86)		CKSRYB103K50
C	2530(A,96 ,82)		CKSRYB103K50
C	2531(A,107 ,86)		CKSRYB223K50
C	2532(A,107 ,81)		CKSRYB223K50
C	2533(A,109 ,89)		CEAT101M16
C	2534(A,109 ,78)		CEAT101M16
C	2535(A,117 ,90)		CCSRCH101J50
C	2536(A,117 ,78)		CCSRCH101J50
C	2537(A,120 ,82)		CKSRYB103K50
C	2538(A,120 ,85)		CKSRYB103K50
C	2539(A,121 ,89)		CEAT470M25
C	2540(A,121 ,78)		CEAT470M25
C	2551(A,84 ,69)		CEAT470M25
C	2552(A,84 ,62)		CEAT470M25
C	2553(A,101 ,71)		CEAT4R7M50
C	2554(A,101 ,60)		CEAT4R7M50
C	2555(A,96 ,68)		CKSRYB103K50
C	2556(A,96 ,64)		CKSRYB103K50
C	2557(A,107 ,68)		CKSRYB223K50
C	2558(A,107 ,63)		CKSRYB223K50
C	2559(A,109 ,71)		CEAT101M16
C	2560(A,109 ,60)		CEAT101M16
C	2561(A,117 ,72)		CCSRCH101J50
C	2562(A,117 ,60)		CCSRCH101J50
C	2563(A,120 ,64)		CKSRYB103K50
C	2564(A,120 ,67)		CKSRYB103K50
C	2565(A,121 ,71)		CEAT470M25
C	2566(A,121 ,60)		CEAT470M25
C	2575(A,70 ,39)		CEAT470M25
C	2576(A,70 ,33)		CEAT470M25
C	2577(A,101 ,53)		CEAT4R7M50
C	2578(A,101 ,42)		CEAT4R7M50
C	2579(A,96 ,50)		CKSRYB103K50
C	2580(A,96 ,46)		CKSRYB103K50
C	2581(A,107 ,50)		CKSRYB223K50
C	2582(A,107 ,45)		CKSRYB223K50
C	2583(A,109 ,53)		CEAT101M16
C	2584(A,109 ,42)		CEAT101M16
C	2585(A,117 ,54)		CCSRCH101J50
C	2586(A,117 ,41)		CCSRCH101J50
C	2587(A,120 ,46)		CKSRYB103K50
C	2588(A,120 ,49)		CKSRYB103K50
C	2589(A,121 ,53)		CEAT470M25
C	2590(A,121 ,42)		CEAT470M25
C	2621(B,147 ,117)		CKSRYB103K50
C	2623(B,144 ,75)		CKSRYB104K16
C	2626(A,23 ,61)		CEAT2R2M50
C	2627(A,23 ,69)		CEAT2R2M50
C	2628(A,34 ,61)		CEAT100M50
C	2629(A,34 ,70)		CEAT100M50
C	2633(A,61 ,103)		CCSRCH101J50
C	2634(A,72 ,103)		CCSRCH101J50
C	2635(B,68 ,107)		CKSRYB103K50
C	2636(B,66 ,107)		CKSRYB103K50
C	2637(A,74 ,112)		CEAT100M50
C	2638(A,74 ,118)		CEAT100M50
C	2649(A,61 ,94)		CKSRYB103K50

Mark	No.	Description	Part No.
	C 2650(A,55 ,88)		CKSRYB103K50
	C 2655(B,69 ,48)		CKSRYB103K50
	C 2656(B,82 ,54)		CKSRYB103K50
	C 2660(A,50 ,59)		CEAT100M50
	C 2661(A,56 ,59)		CEAT100M50
	C 2662(A,62 ,59)		CEAT100M50
	C 2663(A,68 ,59)		CEAT100M50
	C 2664(B,66 ,69)		CCSRCH101J50
	C 2665(B,64 ,67)		CCSRCH101J50
	C 2666(A,70 ,67)		CKSRYB103K50
	C 2667(A,71 ,69)		CKSRYB103K50
	C 2668(A,70 ,71)		CKSRYB103K50
	C 2675(A,67 ,86)		CEAT100M50
	C 2676(A,73 ,86)		CEAT100M50
	C 2677(A,46 ,19)		CEAT100M50
	C 2678(A,51 ,19)		CEAT100M50
	C 2679(A,57 ,19)		CEAT100M50
	C 2680(A,63 ,19)		CEAT100M50
	C 2681(B,60 ,30)		CCSRCH101J50
	C 2682(B,54 ,30)		CCSRCH101J50
	C 2683(A,62 ,28)		CKSRYB103K50
	C 2684(A,64 ,31)		CKSRYB103K50
	C 2685(A,62 ,32)		CKSRYB103K50
	C 2692(A,48 ,44)		CEAT100M50
	C 2693(A,42 ,44)		CEAT100M50
	C 2695(A,72 ,27)		CEAT470M25
	C 2696(A,72 ,21)		CEAT470M25
	C 2698(A,131 ,24)		CKSRYB104K16
	C 2699(A,131 ,42)		CKSRYB473K25
	C 2700(A,131 ,22)		CKSRYB224K16
	C 2714(A,131 ,35)		CKSRYB473K25
	C 2716(A,131 ,28)		CKSRYB224K16
	C 2717(A,131 ,26)		CKSRYB104K16
	C 2751(B,107 ,220)		CKSRYB103K50
	C 2752(B,113 ,220)		CKSRYB103K50
	C 2754(A,131 ,205)	ELECT. CAPACITOR	CEATR10M50
	C 2771(A,148 ,198)		CEAT101M16
	C 2781(B,151 ,217)		CKSRYB104K16
	C 2782(B,149 ,217)		CKSRYB471K50
	C 2783(B,151 ,213)		CKSRYB104K16
	C 2784(B,149 ,213)		CKSRYB471K50

L DIGITAL MOTHER ASSY (VSX-74TXVi)

MISCELLANEOUS

Mark	No.	Description	Part No.
	IC 101 (A,46 ,158)	CPU	PEG116A
	IC 102 (A,46 ,180)	RUNNING CHANGE	AYW7084
	IC1	FLASH MEMORY (4M)	MBM29F400TC-70PFTN
	IC 103 (A,89 ,94)	LOGIC IC	CD4094BPW
	IC 104 (A,20 ,147)	RESET IC	BU4842F
	IC 105 (A,63 ,122)	LOGIC IC	SN74AHCT32PW
	IC 106 (A,63 ,133)	LOGIC IC	SN74AHCT08PW
	IC 107 (A,83 ,138)	IC	TC74VHCT125AFTS1
	IC 108 (A,90 ,114)	LOGIC IC	SN74LV244ATPW
	IC 201 (A,114 ,133)	CPU	PEG117A
	IC 202 (A,114 ,154)	FLASH ROM	AYW7080
	IC2	FLASH MEMORY(4M)	MBM29LV400TC-70PFTN
	IC 203 (A,133 ,107)	LOGIC IC	CD4094BPW
	IC 204 (A,107 ,109)	IC	TC74VHCT125AFTS1
	IC 205 (A,115 ,107)	LOGIC IC	SN74AHC02PW
	IC 206 (A,84 ,127)	LOGIC IC	SN74LV125APW
	IC 207 (A,92 ,127)	LOGIC IC	SN74AHC08PW
	IC 208 (A,92 ,138)	LOGIC IC	SN74LV244APW
	IC 209 (A,82 ,150)	LOGIC IC	SN74LV125APW
	IC 210 (A,92 ,150)	LOGIC IC	SN74AHC04PW
	IC 211 (A,124 ,107)	LOGIC IC	CD4094BPW
⚠	IC 221 (A,121 ,92)	IC	NJM2391DL1-33
	IC 261 (A,43 ,208)	USB CODEC IC	PCM2902EG
	IC 281 (A,129 ,205)	XM/DT IC	F2602E-01
⚠	IC 282 (A,143 ,209)	LOAD SWITCHING	AAT4618IGV-0.5-1
	IC 301 (A,105 ,200)	DA I/F TRANSCEIVER	AK4114VQ
	IC 304 (A,15 ,195)	LOGIC IC	SN74LVC1G97DCK
	IC 305 (A,22 ,195)	LOGIC IC	SN74LVC1G97DCK
	IC 306 (A,89 ,168)	LOGIC IC	SN74LV157APW
	IC 307 (A,79 ,168)	LOGIC IC	SN74LV157APW
	IC 308 (A,104 ,175)	LOGIC IC	SN74LV157APW
	IC 309 (A,124 ,175)	LOGIC IC	SN74LV157APW
	IC 312 (A,67 ,190)	LOGIC IC	SN74AHC08PW
	IC 313 (A,77 ,190)	LOGIC IC	SN74AHC08PW
	IC 314 (A,86 ,190)	LOGIC IC	SN74AHC08PW
	IC 315 (A,53 ,79)	LOGIC IC	SN74LV157APW
	IC 316 (A,64 ,79)	LOGIC IC	SN74LV157APW
	IC 318 (A,24 ,180)	LOGIC IC	SN74LVC1G97DCK
⚠	IC 321 (A,139 ,183)	IC	NJM2391DL1-33
	IC 481 (A,119 ,77)	OP-AMP IC	BA4560RF
	IC 482 (A,98 ,76)	A/D CONVERTER	PCM1803DB
	IC 551 (A,119 ,52)	D/A CONVERTER IC	DSD1791DBR
	IC 552 (A,119 ,35)	OP-AMP IC	BA4560RF
	IC 651 (A,98 ,52)	D/A CONVERTER IC	DSD1791DBR
	IC 652 (A,98 ,35)	OP-AMP IC	BA4560RF
	IC 751 (A,77 ,52)	D/A CONVERTER IC	DSD1791DBR
	IC 752 (A,77 ,35)	OP-AMP IC	BA4560RF
	IC 851 (A,56 ,52)	D/A CONVERTER IC	DSD1791DBR
	IC 852 (A,56 ,35)	OP-AMP IC	BA4560RF
	IC 951 (A,35 ,52)	D/A CONVERTER IC	DSD1791DBR
	IC 952 (A,35 ,35)	OP-AMP IC	BA4560RF
	IC 953 (A,114 ,175)	LOGIC IC	SN74AHC08PW
⚠	IC 991 (A,136 ,54)	IC	NJM2391DL1-33
	Q 101 (B,21 ,146)	TRANSISTOR	DTC143TK
	Q 102 (B,24 ,134)	DIGITAL TR(SC-70)	RT1P241M
	Q 103 (B,27 ,134)	CHIP TR(DUAL)	RN2901
	Q 104 (B,14 ,135)	CHIP TR (PNP X 2)	UMB1N
	Q 105 (A,23 ,17)	CHIP TR (PNP X 2)	UMB1N
	Q 106 (A,139 ,87)	TRANSISTOR	RT1N241M
	Q 107 (A,28 ,17)	CHIP TR (PNP X 2)	UMB1N
	Q 108 (A,138 ,70)	CHIP TR (PNP X 2)	UMB1N
	Q 201 (B,20 ,24)	TRANSISTOR	2SA1036K
	Q 202 (B,21 ,36)	TRANSISTOR	RT1N241M
	Q 281 (B,99 ,153)	DIGITAL TR(SC-70)	RT1P441M
	Q 481 (B,129 ,77)	TRANSISTOR	IMX25
	Q 482 (A,139 ,76)	CHIP TRANSISTOR	RN4903
	D 101 (B,31 ,133)	DIODE	DAN202U
	D 102 (A,107 ,8)	DIODE	DAN202U
	D 103 (A,112 ,8)	DIODE	1SS355
	D 104 (A,51 ,17)	DIODE	DAP202U
	D 105 (A,48 ,17)	DIODE	DAN202U
	D 106 (A,57 ,12)	DIODE	UDZS5R1(B)
	D 107 (B,19 ,137)	DIODE	DAN202U
	D 108 (A,110 ,8)	DIODE	RB520S-30
	D 109 (B,46 ,183)	CHIP DIODE	RB501V-40

Mark	No.	Description	Part No.
	D 110 (B,69 ,142)	DIODE	DAN202U
	D 114 (A,92 ,103)	DIODE	1SS355
	D 116 (A,140 ,83)	CHIP DIODE	RB501V-40
	D 201 (B,18 ,18)	DIODE	DAN202U
	D 202 (B,115 ,157)	CHIP DIODE	RB501V-40
	D 281 (B,138 ,215)	DIODE	UDZS5R6(B)
	D 282 (B,136 ,215)	DIODE	UDZS5R6(B)
	D 451 (B,108 ,74)	DIODE	DAN217
	D 452 (B,108 ,79)	DIODE	DAN217
	L 101 (A,17 ,124)	CHIP SOLID INDUCTOR	ATL7002
	L 102 (B,34 ,16)	CHIP SOLID INDUCTOR	ATL7002
	L 201 (A,129 ,98)	CHIP SOLID INDUCTOR	QTL1013
	L 281 (A,119 ,217)	CHIP SOLID INDUCTOR	QTL1013
	L 282 (A,144 ,200)	CHIP SOLID INDUCTOR	ATL7002
	L 301 (A,85 ,215)	CHIP SOLID INDUCTOR	QTL1013
	L 303 (A,99 ,208)	CHIP SOLID INDUCTOR	QTL1013
	L 304 (A,93 ,207)	CHIP SOLID INDUCTOR	QTL1013
	L 305 (A,22 ,200)	CHIP SOLID INDUCTOR	QTL1013
	L 306 (A,75 ,171)	CHIP SOLID INDUCTOR	QTL1013
	L 307 (A,80 ,82)	CHIP SOLID INDUCTOR	QTL1013
	L 308 (A,63 ,193)	CHIP SOLID INDUCTOR	QTL1013
	L 309 (A,22 ,187)	CHIP SOLID INDUCTOR	QTL1013
	L 311 (A,84 ,171)	CHIP SOLID INDUCTOR	QTL1013
	L 312 (A,100 ,178)	CHIP SOLID INDUCTOR	QTL1013
	L 313 (A,120 ,178)	CHIP SOLID INDUCTOR	QTL1013
	L 314 (A,72 ,193)	CHIP SOLID INDUCTOR	QTL1013
	L 315 (A,110 ,178)	CHIP SOLID INDUCTOR	QTL1013
	L 316 (A,81 ,193)	CHIP SOLID INDUCTOR	QTL1013
	L 481 (A,108 ,86)	CHIP SOLID INDUCTOR	QTL1013
	L 482 (A,89 ,79)	CHIP SOLID INDUCTOR	QTL1013
	L 551 (A,114 ,61)	CHIP SOLID INDUCTOR	QTL1013
	L 552 (A,128 ,48)	CHIP SOLID INDUCTOR	QTL1013
	L 651 (A,94 ,61)	CHIP SOLID INDUCTOR	QTL1013
	L 652 (A,107 ,48)	CHIP SOLID INDUCTOR	QTL1013
	L 751 (A,72 ,61)	CHIP SOLID INDUCTOR	QTL1013
	L 752 (A,86 ,48)	CHIP SOLID INDUCTOR	QTL1013
	L 851 (A,51 ,61)	CHIP SOLID INDUCTOR	QTL1013
	L 852 (A,65 ,48)	CHIP SOLID INDUCTOR	QTL1013
	L 951 (A,30 ,61)	CHIP SOLID INDUCTOR	QTL1013
	L 952 (A,44 ,48)	CHIP SOLID INDUCTOR	QTL1013
	JA261 (A,43 ,232)	USB CONNECTOR	DKN1237
	JA301 (A,119 ,232)	PIN JACK(2P)	AKB7173
	JA302 (A,98 ,232)	OPT. LINK IN	AKS7001
	JA303 (A,84 ,232)	OPT. LINK IN	AKS7001
	JA304 (A,70 ,232)	OPT. LINK IN	AKS7001
	JA305 (A,57 ,232)	OPT. LINK IN	AKS7001
	JA306 (A,28 ,232)	OPT. LINK OUT	AKS7002
	JA307 (A,15 ,232)	OPT. LINK OUT	AKS7002
	X 101 (A,46 ,146)	CERAMIC RESONATOR (15.7MHz)	XSS3004
	X 201 (A,114 ,121)	CERAMIC RESONATOR (15.7MHz)	XSS3004
	X 261 (A,38 ,198)	CRYSTAL RESONATOR (12.00MHz)	ASS7047
	X 281 (A,118 ,205)	CRYSTAL RESONATOR (45.1584MHz)	ASS7065
	X 301 (A,102 ,190)	CRYSTAL RESONATOR (24.567MHz)	XSS3003
	CN101 (A,70 ,7)	23P CONNECTOR	52045-2345
	CN102 (A,142 ,19)	11P SOCKET	XKP3076

Mark	No.	Description	Part No.
	CN103 (A,52 ,11)	19P CONNECTOR	52045-1945
	CN104 (A,146 ,84)	B TO B CONNCTOR	BTEM16P-1R
	CN105 (A,17 ,48)	23P SOCKET	XKP3082
	CN201 (A,146 ,191)	4P SOCKET	KP200TA4L
	CN281 (A,141 ,232)	4P SOCKET	AKP7201
	CN301 (A,57 ,200)	26P PLUG	AKM7054
	CN302 (A,39 ,98)	26P PLUG	AKM7054
	CN303 (A,18 ,165)	22P CONNECTOR	RKN1063
	CN304 (A,142 ,167)	23P SOCKET	XKP3083
	CN305 (A,17 ,105)	10P CONNECTOR	AKN7041
	CN991 (A,146 ,25)	B TO B CONNCTOR	BTEM20P-1R
	CN992 (A,146 ,55)	B TO B CONNCTOR	BTEM20P-1R

RESISTORS

Mark	No.	Description	Part No.
	R 101 (A,45 ,17)		RS1/16S105J
	R 102 (A,33 ,143)		RAB4C101J
	R 103 (A,42 ,143)		RAB4C101J
	R 104 (B,37 ,142)		RS1/16S104J
	R 105 (A,35 ,143)		RS1/16S101J
	R 106 (A,37 ,143)		RS1/16S101J
	R 107 (B,39 ,142)		RS1/16S104J
	R 108 (B,41 ,147)		RS1/16S512J
	R 110 (A,38 ,143)		RS1/16S101J
	R 111 (A,40 ,143)		RS1/16S101J
	R 112 (B,45 ,153)		RS1/16S101J
	R 113 (B,47 ,158)		RS1/16S473J
	R 114 (B,54 ,143)		RS1/16S101J
	R 115 (A,54 ,143)		RAB4C101J
	R 116 (A,58 ,143)		RAB4C101J
	R 117 (B,54 ,150)		RS1/16S104J
	R 119 (B,58 ,147)		RS1/16S222J
	R 120 (A,61 ,143)		RS1/16S101J
	R 121 (A,30 ,162)		RS1/16S101J
	R 122 (B,36 ,153)		RS1/16S474J
	R 123 (A,61 ,150)		RAB4C101J
	R 124 (A,61 ,155)		RAB4C101J
	R 125 (B,52 ,150)		RS1/16S104J
	R 126 (B,17 ,129)		RS1/16S473J
	R 127 (B,51 ,155)		RS1/16S104J
	R 128 (B,61 ,159)		RS1/16S473J
	R 129 (A,61 ,158)		RS1/16S473J
	R 131 (B,49 ,155)		RS1/16S104J
	R 132 (A,61 ,162)		RAB4C101J
	R 133 (A,61 ,166)		RAB4C101J
	R 134 (B,61 ,163)		RS1/16S473J
	R 135 (A,56 ,171)		RS1/16S101J
	R 136 (B,19 ,132)		RS1/16S471J
	R 137 (A,32 ,158)		RAB4C101J
	R 138 (B,38 ,158)		RS1/16S474J
	R 139 (B,36 ,158)		RS1/16S104J
	R 140 (B,53 ,155)		RS1/16S474J
	R 141 (B,41 ,158)		RS1/16S473J
	R 143 (B,43 ,158)		RS1/16S473J
	R 144 (B,40 ,153)		RS1/16S473J
	R 145 (A,31 ,148)		RS1/16S101J
	R 146 (B,46 ,179)		RS1/16S104J
	R 147 (B,36 ,178)		RS1/16S473J
	R 149 (B,91 ,93)		RS1/16S473J
	R 150 (B,89 ,93)		RS1/16S473J
	R 151 (B,50 ,150)		RS1/16S104J

Mark	No.	Description	Part No.
	R 153 (B,31 ,129)		RS1/16S471J
	R 154 (B,29 ,129)		RS1/16S473J
	R 155 (B,21 ,132)		RS1/16S102J
	R 156 (B,24 ,129)		RS1/16S473J
	R 157 (B,16 ,145)		RS1/16S470J
	R 161 (B,54 ,17)		RS1/16S105J
	R 162 (B,56 ,12)		RS1/16S223J
	R 164 (A,20 ,150)		RS1/16S104J
	R 165 (B,33 ,163)		RS1/16S101J
	R 166 (B,88 ,116)		RS1/16S104J
	R 167 (B,94 ,110)		RS1/16S104J
	R 168 (B,90 ,112)		RS1/16S104J
	R 169 (B,85 ,129)		RS1/16S104J
	R 170 (B,85 ,140)		RS1/16S104J
	R 171 (A,80 ,133)		RS1/16S101J
	R 172 (B,83 ,129)		RS1/16S104J
	R 173 (A,48 ,143)		RS1/16S101J
	R 174 (B,50 ,143)		RS1/16S101J
	R 175 (B,52 ,143)		RS1/16S101J
	R 176 (A,83 ,144)		RS1/16S101J
	R 179 (B,25 ,143)		RS1/16S103J
	R 180 (B,27 ,153)		RS1/16S222J
	R 188 (B,29 ,153)		RS1/16S103J
	R 189 (B,87 ,96)		RS1/16S104J
	R 190 (B,83 ,115)		RS1/16S474J
	R 191 (B,106 ,129)		RS1/16S473J
	R 192 (B,121 ,131)		RS1/16S473J
	R 195 (B,123 ,131)		RS1/16S473J
	R 196 (A,88 ,153)		RS1/16S104J
	R 197 (B,83 ,140)		RS1/16S182J
	R 199 (A,137 ,149)	RESISTOR ARRAY	RAB4C104J
	R 201 (A,102 ,125)		RAB4C101J
	R 202 (A,106 ,121)		RAB4C101J
	R 203 (B,108 ,129)		RS1/16S472J
	R 204 (B,108 ,133)		RS1/16S473J
	R 205 (A,109 ,121)		RS1/16S101J
	R 206 (B,111 ,130)		RS1/16S101J
	R 207 (B,113 ,130)		RS1/16S473J
	R 208 (B,115 ,130)		RS1/16S473J
	R 209 (A,119 ,118)		RAB4C101J
	R 210 (A,124 ,122)		RAB4C101J
	R 211 (A,124 ,118)		RAB4C473J
	R 214 (A,127 ,127)		RAB4C101J
	R 215 (A,127 ,129)		RS1/16S101J
	R 216 (A,127 ,131)		RS1/16S101J
	R 217 (A,121 ,114)		RS1/16S473J
	R 218 (A,127 ,133)		RAB4C101J
	R 220 (A,127 ,136)		RS1/16S101J
	R 221 (B,117 ,133)		RS1/16S473J
	R 222 (A,127 ,137)		RS1/16S473J
	R 223 (B,118 ,138)		RS1/16S473J
	R 224 (B,131 ,139)		RS1/16S101J
	R 225 (A,127 ,140)		RS1/16S101J
	R 226 (B,133 ,139)		RS1/16S101J
	R 227 (A,102 ,133)		RAB4C101J
	R 228 (B,110 ,136)		RS1/16S473J
	R 230 (B,104 ,129)		RS1/16S101J
	R 231 (A,22 ,147)		RS1/16S104J
	R 232 (B,115 ,153)		RS1/16S104J
	R 234 (B,104 ,151)		RS1/16S473J

Mark	No.	Description	Part No.
	R 237 (A,134 ,99)		RS1/16S473J
	R 238 (A,133 ,114)		RAB4C473J
	R 239 (B,114 ,105)		RS1/16S104J
	R 240 (B,116 ,105)		RS1/16S104J
	R 241 (A,109 ,115)		RS1/16S101J
	R 242 (A,29 ,176)		RS1/16S104J
	R 243 (A,29 ,177)		RS1/16S104J
	R 244 (B,108 ,138)		RS1/16S473J
	R 246 (B,89 ,140)		RS1/16S104J
	R 247 (B,87 ,140)		RS1/16S104J
	R 248 (B,96 ,139)		RS1/16S104J
	R 249 (B,94 ,140)		RS1/16S104J
	R 250 (B,104 ,147)		RS1/16S104J
	R 251 (B,115 ,140)		RS1/16S104J
	R 252 (B,106 ,143)		RS1/16S104J
	R 253 (A,86 ,150)		RS1/16S104J
	R 255 (A,86 ,145)		RS1/16S104J
	R 256 (A,102 ,138)		RS1/16S101J
	R 258 (A,111 ,121)		RS1/16S101J
	R 259 (B,19 ,30)		RS1/16S222J
	R 260 (A,138 ,118)		RS1/16S0R0J
	R 261 (A,48 ,214)		RS1/16S220J
	R 262 (A,46 ,214)		RS1/16S220J
	R 263 (A,48 ,200)		RS1/16S470J
	R 264 (A,43 ,202)		RS1/16S105J
	R 265 (A,39 ,202)		RS1/16S222J
	R 266 (B,48 ,213)		RS1/16S152J
	R 267 (B,41 ,225)		RS1/16S0R0J
	R 268 (B,44 ,225)		RS1/16S0R0J
	R 271 (B,21 ,30)		RS1/16S473J
	R 272 (A,125 ,99)		RAB4C473J
	R 274 (A,124 ,114)		RS1/16S473J
	R 277 (A,121 ,210)		RS1/16S471J
	R 281 (A,133 ,215)		RS1/16S101J
	R 282 (A,136 ,215)		RS1/16S101J
	R 283 (A,135 ,215)		RS1/16S102J
	R 284 (A,136 ,218)		RS1/16S102J
	R 285 (A,122 ,207)		RS1/16S0R0J
	R 286 (A,122 ,203)		RS1/16S105J
	R 287 (B,137 ,204)		RS1/16S104J
	R 288 (B,133 ,204)		RS1/16S104J
	R 289 (B,137 ,209)		RS1/16S104J
	R 290 (B,132 ,209)		RS1/16S104J
	R 291 (A,130 ,197)		RS1/16S104J
	R 292 (A,132 ,197)		RS1/16S104J
	R 293 (A,127 ,197)		RAB4C101J
	R 294 (A,137 ,204)		RAB4C101J
	R 295 (A,137 ,208)		RAB4C101J
	R 298 (B,101 ,150)		RS1/16S104J
	R 299 (B,104 ,138)		RS1/16S101J
	R 301 (B,96 ,220)		RS1/16S101J
	R 302 (B,83 ,219)		RS1/16S101J
	R 303 (B,69 ,219)		RS1/16S101J
	R 304 (B,56 ,219)		RS1/16S101J
	R 307 (B,127 ,223)		RS1/16S750J
	R 308 (B,116 ,223)		RS1/16S750J
	R 309 (B,125 ,219)		RS1/16S100J
	R 310 (B,112 ,223)		RS1/16S100J
	R 319 (A,96 ,205)		RS1/16S101J
	R 320 (A,96 ,201)		RS1/16S101J

Mark	No.	Description	Part No.
R	321	(A,114 ,198)	RS1/16S1802F
R	322	(A,93 ,193)	RS1/16S470J
R	323	(A,95 ,193)	RS1/16S101J
R	324	(B,91 ,193)	RS1/16S101J
R	325	(B,93 ,193)	RS1/16S101J
R	326	(B,95 ,193)	RS1/16S101J
R	327	(A,108 ,191)	RS1/16S221J
R	328	(A,110 ,191)	RAB4C221J
R	329	(A,113 ,191)	RS1/16S101J
R	330	(A,114 ,194)	RS1/16S0R0J
R	331	(A,69 ,216)	RS1/16S0R0J
R	333	(A,17 ,195)	RS1/16S101J
R	335	(A,84 ,161)	RS1/16S101J
R	336	(A,86 ,161)	RS1/16S101J
R	337	(A,87 ,161)	RS1/16S470J
R	339	(A,89 ,161)	RS1/16S101J
R	340	(A,90 ,161)	RS1/16S101J
R	341	(A,92 ,161)	RS1/16S470J
R	343	(A,89 ,175)	RS1/16S101J
R	344	(A,90 ,175)	RS1/16S101J
R	345	(A,92 ,175)	RS1/16S470J
R	347	(A,84 ,175)	RS1/16S101J
R	348	(A,86 ,175)	RS1/16S101J
R	349	(A,87 ,175)	RS1/16S470J
R	351	(A,74 ,161)	RS1/16S101J
R	352	(A,75 ,161)	RS1/16S101J
R	353	(A,77 ,161)	RS1/16S470J
R	356	(A,81 ,161)	RS1/16S470J
R	359	(A,82 ,175)	RS1/16S470J
R	360	(A,75 ,175)	RS1/16S101J
R	361	(A,76 ,175)	RS1/16S101J
R	362	(A,78 ,175)	RS1/16S470J
R	363	(A,101 ,169)	RS1/16S101J
R	364	(A,102 ,169)	RS1/16S101J
R	365	(A,104 ,169)	RS1/16S470J
R	369	(A,108 ,169)	RS1/16S470J
R	373	(A,109 ,181)	RS1/16S470J
R	375	(A,101 ,181)	RS1/16S101J
R	376	(A,103 ,181)	RS1/16S101J
R	377	(A,104 ,181)	RS1/16S470J
R	379	(A,119 ,168)	RS1/16S101J
R	380	(A,121 ,168)	RS1/16S101J
R	381	(A,122 ,168)	RS1/16S470J
R	383	(A,124 ,168)	RS1/16S101J
R	384	(A,125 ,168)	RS1/16S101J
R	385	(A,127 ,168)	RS1/16S470J
R	387	(A,123 ,182)	RS1/16S101J
R	388	(A,125 ,182)	RS1/16S101J
R	389	(A,126 ,182)	RS1/16S470J
R	395	(B,70 ,79)	RS1/16S0R0J
R	400	(B,71 ,75)	RS1/16S0R0J
R	405	(B,72 ,79)	RS1/16S0R0J
R	410	(B,73 ,75)	RS1/16S0R0J
R	411	(B,96 ,129)	RS1/16S0R0J
R	413	(B,92 ,129)	RS1/16S0R0J
R	415	(B,74 ,79)	RS1/16S0R0J
R	416	(B,70 ,117)	RS1/16S0R0J
R	418	(B,74 ,117)	RS1/16S0R0J
R	420	(B,75 ,75)	RS1/16S0R0J
R	422	(B,19 ,197)	RS1/16S0R0J
R	425	(B,76 ,79)	RS1/16S0R0J
R	426	(B,68 ,192)	RS1/16S101J
R	427	(B,66 ,192)	RS1/16S101J
R	428	(A,70 ,196)	RS1/16S220J
R	429	(A,66 ,196)	RS1/16S470J
R	430	(A,69 ,206)	RS1/16S473J
R	431	(A,137 ,161) RESISTOR ARRAY	RAB4C104J
R	432	(A,137 ,157) RESISTOR ARRAY	RAB4C104J
R	433	(A,24 ,157) RESISTOR ARRAY	RAB4C104J
R	434	(A,24 ,161) RESISTOR ARRAY	RAB4C104J
R	435	(A,24 ,102)	RS1/16S104J
R	436	(A,24 ,104)	RS1/16S104J
R	437	(A,24 ,105)	RS1/16S104J
R	438	(A,24 ,108) RESISTOR ARRAY	RAB4C104J
R	439	(A,69 ,184)	RS1/16S0R0J
R	440	(A,66 ,184)	RS1/16S101J
R	441	(A,70 ,184)	RS1/16S470J
R	442	(A,67 ,184)	RS1/16S470J
R	443	(A,75 ,184)	RS1/16S0R0J
R	444	(A,78 ,184)	RS1/16S0R0J
R	445	(B,78 ,195)	RS1/16S0R0J
R	446	(B,73 ,195)	RS1/16S0R0J
R	447	(A,76 ,184)	RS1/16S470J
R	448	(A,79 ,184)	RS1/16S470J
R	449	(B,74 ,188)	RS1/16S470J
R	450	(B,76 ,188)	RS1/16S470J
R	453	(A,130 ,73)	RS1/16S752J
R	454	(A,130 ,80)	RS1/16S752J
R	455	(A,130 ,75)	RS1/16S822J
R	456	(A,130 ,78)	RS1/16S822J
R	457	(B,128 ,71)	RS1/16S392J
R	458	(B,128 ,82)	RS1/16S392J
R	461	(A,137 ,76)	RS1/16S223J
R	462	(A,137 ,77)	RS1/16S223J
R	463	(B,122 ,72)	RS1/16S104J
R	464	(B,122 ,81)	RS1/16S104J
R	465	(A,108 ,73)	RS1/16S101J
R	466	(A,108 ,79)	RS1/16S101J
R	472	(B,95 ,114)	RS1/16S0R0J
R	473	(B,97 ,114)	RS1/16S0R0J
R	474	(B,139 ,118)	RS1/16S0R0J
R	475	(B,137 ,118)	RS1/16S0R0J
R	480	(A,144 ,172)	RS1/16S0R0J
R	481	(B,99 ,82)	RS1/16S101J
R	482	(B,96 ,82)	RS1/16S101J
R	483	(A,91 ,76)	RS1/16S101J
R	484	(A,99 ,82)	RS1/16S470J
R	485	(A,98 ,82)	RS1/16S101J
R	487	(A,137 ,74)	RS1/16S104J
R	488	(A,23 ,177)	RS1/16S101J
R	489	(A,26 ,183)	RS1/16S470J
R	491	(A,83 ,184)	RS1/16S101J
R	493	(B,87 ,193)	RS1/16S101J
R	494	(B,85 ,193)	RS1/16S470J
R	495	(A,85 ,184)	RS1/16S470J
R	496	(A,88 ,184)	RS1/16S470J
R	497	(B,89 ,193)	RS1/16S470J
R	501	(A,127 ,40)	RS1/16S222J
R	502	(A,111 ,40)	RS1/16S222J
R	503	(A,124 ,40)	RS1/16S222J

Mark	No.	Description	Part No.
	R 504	(A,115 ,40)	RS1/16S222J
	R 505	(B,127 ,36)	RS1/16S362J
	R 506	(B,111 ,36)	RS1/16S362J
	R 507	(B,125 ,36)	RS1/16S101J
	R 508	(B,113 ,36)	RS1/16S101J
	R 509	(A,127 ,34)	RS1/16S362J
	R 510	(A,111 ,34)	RS1/16S362J
	R 511	(A,127 ,36)	RS1/16S101J
	R 512	(A,111 ,36)	RS1/16S101J
	R 513	(A,127 ,37)	RS1/16S122J
	R 514	(A,111 ,37)	RS1/16S122J
	R 515	(A,125 ,38)	RS1/16S122J
	R 516	(A,114 ,38)	RS1/16S122J
	R 517	(B,121 ,31)	RS1/16S474J
	R 518	(B,117 ,31)	RS1/16S474J
	R 519	(B,123 ,26)	RS1/16S221J
	R 520	(B,115 ,26)	RS1/16S221J
	R 551	(A,112 ,54)	RS1/16S101J
	R 552	(A,112 ,58)	RS1/16S101J
	R 553	(A,112 ,56)	RS1/16S101J
	R 554	(A,112 ,59)	RS1/16S0R0J
	R 555	(A,112 ,55)	RS1/16S101J
	R 556	(A,127 ,55)	RS1/16S0R0J
	R 557	(A,127 ,53)	RS1/16S0R0J
	R 558	(A,127 ,59)	RS1/16S221J
	R 559	(A,127 ,58)	RS1/16S221J
	R 560	(A,127 ,56)	RS1/16S221J
	R 561	(A,112 ,53)	RS1/16S221J
	R 601	(A,106 ,40)	RS1/16S222J
	R 602	(A,90 ,40)	RS1/16S222J
	R 603	(A,103 ,40)	RS1/16S222J
	R 604	(A,94 ,40)	RS1/16S222J
	R 605	(B,106 ,36)	RS1/16S302J
	R 606	(B,90 ,36)	RS1/16S682J
	R 607	(B,104 ,36)	RS1/16S101J
	R 608	(B,92 ,36)	RS1/16S101J
	R 609	(A,106 ,34)	RS1/16S302J
	R 610	(A,90 ,34)	RS1/16S682J
	R 611	(A,106 ,36)	RS1/16S101J
	R 612	(A,90 ,36)	RS1/16S101J
	R 613	(A,106 ,37)	RS1/16S152J
	R 614	(A,90 ,37)	RS1/16S102J
	R 615	(A,104 ,38)	RS1/16S152J
	R 616	(A,93 ,38)	RS1/16S102J
	R 617	(B,100 ,31)	RS1/16S474J
	R 618	(B,96 ,31)	RS1/16S474J
	R 619	(B,102 ,26)	RS1/16S221J
	R 620	(B,94 ,26)	RS1/16S221J
	R 651	(A,91 ,54)	RS1/16S101J
	R 652	(A,91 ,58)	RS1/16S101J
	R 653	(A,91 ,56)	RS1/16S101J
	R 654	(A,91 ,59)	RS1/16S0R0J
	R 655	(A,91 ,55)	RS1/16S101J
	R 656	(A,106 ,55)	RS1/16S0R0J
	R 657	(A,106 ,53)	RS1/16S0R0J
	R 658	(A,106 ,59)	RS1/16S221J
	R 659	(A,106 ,58)	RS1/16S221J
	R 660	(A,106 ,56)	RS1/16S221J
	R 661	(A,91 ,53)	RS1/16S221J
	R 701	(A,85 ,40)	RS1/16S222J
	R 702	(A,69 ,40)	RS1/16S222J
	R 703	(A,82 ,40)	RS1/16S222J
	R 704	(A,73 ,40)	RS1/16S222J
	R 705	(B,85 ,36)	RS1/16S302J
	R 706	(B,69 ,36)	RS1/16S302J
	R 707	(B,83 ,36)	RS1/16S101J
	R 708	(B,71 ,36)	RS1/16S101J
	R 709	(A,85 ,34)	RS1/16S302J
	R 710	(A,69 ,34)	RS1/16S302J
	R 711	(A,85 ,36)	RS1/16S101J
	R 712	(A,69 ,36)	RS1/16S101J
	R 713	(A,85 ,37)	RS1/16S152J
	R 714	(A,69 ,37)	RS1/16S152J
	R 715	(A,83 ,38)	RS1/16S152J
	R 716	(A,72 ,38)	RS1/16S152J
	R 717	(B,79 ,31)	RS1/16S474J
	R 718	(B,75 ,31)	RS1/16S474J
	R 719	(B,81 ,26)	RS1/16S221J
	R 720	(B,73 ,26)	RS1/16S221J
	R 751	(A,70 ,54)	RS1/16S101J
	R 752	(A,70 ,58)	RS1/16S101J
	R 753	(A,70 ,56)	RS1/16S101J
	R 754	(A,70 ,59)	RS1/16S0R0J
	R 755	(A,70 ,55)	RS1/16S101J
	R 756	(A,85 ,55)	RS1/16S0R0J
	R 757	(A,85 ,53)	RS1/16S0R0J
	R 758	(A,85 ,59)	RS1/16S221J
	R 759	(A,85 ,58)	RS1/16S221J
	R 760	(A,85 ,56)	RS1/16S221J
	R 761	(A,70 ,53)	RS1/16S221J
	R 801	(A,64 ,40)	RS1/16S222J
	R 802	(A,48 ,40)	RS1/16S222J
	R 803	(A,61 ,40)	RS1/16S222J
	R 804	(A,52 ,40)	RS1/16S222J
	R 805	(B,64 ,36)	RS1/16S302J
	R 806	(B,48 ,36)	RS1/16S302J
	R 807	(B,62 ,36)	RS1/16S101J
	R 808	(B,50 ,36)	RS1/16S101J
	R 809	(A,64 ,34)	RS1/16S302J
	R 810	(A,48 ,34)	RS1/16S302J
	R 811	(A,64 ,36)	RS1/16S101J
	R 812	(A,48 ,36)	RS1/16S101J
	R 813	(A,64 ,37)	RS1/16S152J
	R 814	(A,48 ,37)	RS1/16S152J
	R 815	(A,62 ,38)	RS1/16S152J
	R 816	(A,51 ,38)	RS1/16S152J
	R 817	(B,58 ,31)	RS1/16S474J
	R 818	(B,54 ,31)	RS1/16S474J
	R 819	(B,60 ,26)	RS1/16S221J
	R 820	(B,52 ,26)	RS1/16S221J
	R 851	(A,49 ,54)	RS1/16S101J
	R 852	(A,49 ,58)	RS1/16S101J
	R 853	(A,49 ,56)	RS1/16S101J
	R 854	(A,49 ,59)	RS1/16S0R0J
	R 858	(A,64 ,59)	RS1/16S221J
	R 859	(A,64 ,58)	RS1/16S221J
	R 860	(A,64 ,56)	RS1/16S221J
	R 861	(A,49 ,53)	RS1/16S221J
	R 864	(B,53 ,55)	RS1/16S0R0J
	R 901	(A,43 ,40)	RS1/16S222J

Mark	No.	Description	Part No.
R	902 (A,27 ,40)		RS1/16S222J
R	903 (A,40 ,40)		RS1/16S222J
R	904 (A,31 ,40)		RS1/16S222J
R	905 (B,43 ,36)		RS1/16S302J
R	906 (B,27 ,36)		RS1/16S302J
R	907 (B,41 ,36)		RS1/16S101J
R	908 (B,29 ,36)		RS1/16S101J
R	909 (A,43 ,34)		RS1/16S302J
R	910 (A,27 ,34)		RS1/16S302J
R	911 (A,43 ,36)		RS1/16S101J
R	912 (A,27 ,36)		RS1/16S101J
R	913 (A,43 ,37)		RS1/16S152J
R	914 (A,27 ,37)		RS1/16S152J
R	915 (A,41 ,38)		RS1/16S152J
R	916 (A,30 ,38)		RS1/16S152J
R	917 (B,37 ,31)		RS1/16S474J
R	918 (B,33 ,31)		RS1/16S474J
R	919 (B,39 ,26)		RS1/16S221J
R	920 (B,31 ,26)		RS1/16S221J
R	921 (A,113 ,181)		RS1/16S101J
R	923 (A,115 ,169)		RS1/16S101J
R	925 (A,114 ,181)		RS1/16S470J
R	926 (A,114 ,169)		RS1/16S470J
R	927 (A,117 ,169)		RS1/16S470J
R	928 (A,117 ,181)		RS1/16S470J
R	945 (A,37 ,70)		RS1/16S0R0J
R	946 (A,42 ,70)		RS1/16S0R0J
R	947 (A,37 ,87)		RS1/16S0R0J
R	948 (A,42 ,87)		RS1/16S0R0J
R	949 (A,43 ,61)		RS1/16S221J
R	951 (A,28 ,54)		RS1/16S101J
R	952 (A,28 ,58)		RS1/16S101J
R	953 (A,28 ,56)		RS1/16S101J
R	954 (A,28 ,59)		RS1/16S0R0J
R	959 (A,43 ,58)		RS1/16S221J
R	960 (A,43 ,56)		RS1/16S221J
R	961 (A,28 ,53)		RS1/16S221J
R	963 (A,16 ,191)		RS1/16S0R0J
R	964 (B,14 ,190)		RS1/16S101J
R	966 (B,21 ,190)		RS1/16S101J
R	969 (B,25 ,195)		RS1/16S0R0J
R	972 (A,50 ,73)		RS1/16S0R0J
R	973 (A,52 ,73)		RS1/16S470J
R	975 (A,53 ,73)		RS1/16S101J
R	976 (A,55 ,73)		RS1/16S101J
R	977 (A,56 ,73)		RS1/16S470J
R	980 (A,54 ,85)		RS1/16S0R0J
R	981 (A,56 ,85)		RS1/16S470J
R	984 (A,61 ,73)		RS1/16S0R0J
R	985 (A,62 ,73)		RS1/16S470J
R	988 (A,65 ,73)		RS1/16S0R0J
R	989 (A,67 ,73)		RS1/16S470J
R	990		RS1/16S0R0J
R	992 (A,65 ,85)		RS1/16S0R0J
R	993 (A,67 ,85)		RS1/16S470J
R	994 (A,59 ,85)		RS1/16S0R0J
R	997		RS1/16S0R0J
R	998 (A,50 ,85)		RS1/16S101J
R	999 (A,51 ,85)		RS1/16S220J
R	9983		RS1/16S0R0J
R	9984		RS1/16S0R0J
R	9989		RS1/16S0R0J
R	9990		RS1/16S0R0J

CAPACITORS

Mark	No.	Description	Part No.
C	101 (B,14 ,38)		CKSRYB103K50
C	102 (A,11 ,38)	ELECTR.CAPACITOR	CEAT102M10
C	103 (A,18 ,126)		CKSRYB103K50
C	105 (A,33 ,148)		CKSRYB104K16
C	106 (A,34 ,148)		CKSRYB471K50
C	108 (A,46 ,141)		CKSRYB104K16
C	109 (A,46 ,143)		CKSRYB471K50
C	110 (A,59 ,148)		CKSRYB104K16
C	111 (A,57 ,148)		CKSRYB471K50
C	114 (A,45 ,170)		CKSRYB104K16
C	115 (A,45 ,169)		CKSRYB471K50
C	116 (A,33 ,181)		CKSRYB104K16
C	117 (A,34 ,181)		CKSRYB471K50
C	118 (A,86 ,94)		CKSRYB104K16
C	120 (B,26 ,129)		CKSRYB472K50
C	121 (B,21 ,129)		CKSRYB103K50
C	122 (A,16 ,141)		CEAT471M6R3
C	123 (B,52 ,17)		CKSRYB473K25
C	124 (B,46 ,17)		CKSRYB473K25
C	125 (A,62 ,13)		CEAT100M50
C	126 (A,18 ,147)		CKSRYB105K10
C	127 (B,19 ,129)		CKSRYB472K50
C	128 (A,85 ,114)		CKSRYB104K16
C	130 (A,59 ,133)		CKSRYB104K16
C	131 (A,79 ,138)		CKSRYB104K16
C	132 (A,59 ,122)		CKSRYB104K16
C	133 (A,93 ,17)		CKSRYB104K16
C	135 (B,48 ,150)		CKSRYB472K50
C	201 (A,120 ,108)		CKSRYB104K16
C	202 (A,114 ,116)		CKSRYB104K16
C	203 (A,114 ,118)		CKSRYB471K50
C	204 (A,115 ,145)		CKSRYB104K16
C	205 (A,115 ,143)		CKSRYB471K50
C	206 (A,101 ,129)		CKSRYB104K16
C	207 (A,103 ,129)		CKSRYB471K50
C	208 (A,15 ,17)	ELECTR.CAPACITOR	CEAT102M10
C	209 (A,101 ,155)		CKSRYB104K16
C	210 (A,102 ,155)		CKSRYB471K50
C	211 (A,129 ,108)		CKSRYB104K16
C	212 (A,103 ,109)		CKSRYB104K16
C	213 (A,111 ,108)		CKSRYB104K16
C	215 (A,80 ,127)		CKSRYB104K16
C	216 (A,88 ,127)		CKSRYB104K16
C	217 (A,87 ,138)		CKSRYB104K16
C	218 (A,78 ,150)		CKSRYB104K16
C	219 (A,88 ,150)		CKSRYB104K16
C	221 (A,129 ,89)		CKSRYB104K16
C	222 (A,131 ,93)		CEAT331M10
C	261 (A,51 ,216)		CEAT470M16
C	262 (A,50 ,209)		CKSRYB104K16
C	263 (A,48 ,202)		CKSRYB104K16
C	264 (B,46 ,206)		CKSRYB104K16
C	265 (B,42 ,209)		CKSRYB104K16
C	266 (B,39 ,209)		CKSRYB104K16
C	267 (A,41 ,213)		CKSRYB104K16

Mark	No.	Description	Part No.
C	269	(A,38 ,214)	CKSRYB104K16
C	270	(B,43 ,202)	CCSRCH180J50
C	271	(B,38 ,202)	CCSRCH220J50
C	272	(B,38 ,215)	CKSRYB103K50
C	281	(A,145 ,215)	CEAT470M16
C	282	(B,140 ,213)	CKSRYB104K16
C	283	(A,132 ,213)	CKSRYB104K16
C	284	(A,137 ,213)	CKSRYB104K16
C	285	(B,131 ,216)	CKSRYB104K16
C	286	(A,126 ,214)	CEAT470M16
C	287	(B,127 ,209)	CKSRYB104K16
C	288	(B,129 ,209)	CKSRYB471K50
C	289	(A,121 ,207)	CCSRCH100D50
C	290	(A,121 ,203)	CCSRCH100D50
C	293	(B,145 ,209)	CKSRYB105K10
C	301	(A,79 ,214)	CEJQ101M10
C	302	(B,99 ,220)	CKSRYB104K16
C	303	(B,86 ,219)	CKSRYB104K16
C	304	(B,72 ,219)	CKSRYB104K16
C	305	(B,59 ,219)	CKSRYB104K16
C	306	(B,27 ,219)	CKSRYB104K16
C	307	(B,15 ,219)	CKSRYB104K16
C	308	(B,127 ,219)	CKSRYB103K50
C	309	(B,114 ,223)	CKSRYB103K50
C	319	(A,119 ,195)	CEJQ101M6R3
C	320	(A,114 ,195)	CKSRYB104K16
C	321	(A,114 ,197)	CKSRYB471K50
C	322	(A,96 ,216)	CEJQ101M10
C	323	(A,98 ,205)	CKSRYB104K16
C	324	(A,98 ,204)	CKSRYB471K50
C	325	(A,88 ,210)	CEJQ101M6R3
C	326	(A,97 ,197)	CKSRYB104K16
C	327	(A,99 ,197)	CKSRYB471K50
C	328	(A,100 ,193)	CCSRCH120J50
C	329	(A,103 ,193)	CCSRCH120J50
C	330	(A,114 ,200)	CKSRYB474K10
C	332	(A,19 ,205)	CEAT101M10
C	333	(A,12 ,195)	CKSRYB104K16
C	334	(A,13 ,195)	CKSRYB471K50
C	335	(A,19 ,195)	CKSRYB104K16
C	336	(A,20 ,195)	CKSRYB471K50
C	338	(A,83 ,168)	CKSRYB104K16
C	339	(A,85 ,168)	CKSRYB471K50
C	340	(A,74 ,168)	CKSRYB104K16
C	341	(A,75 ,168)	CKSRYB471K50
C	342	(A,99 ,175)	CKSRYB104K16
C	343	(A,100 ,175)	CKSRYB471K50
C	344	(A,119 ,175)	CKSRYB104K16
C	345	(A,120 ,175)	CKSRYB471K50
C	346	(A,84 ,79)	CEAT331M10
C	352	(A,61 ,190)	CKSRYB104K16
C	353	(A,63 ,190)	CKSRYB471K50
C	354	(A,66 ,94)	CKSRYB104K16
C	355	(A,24 ,166)	CKSRYB104K16
C	357	(A,144 ,187)	CKSRYB104K16
C	358	(A,136 ,193)	CEAT331M10
C	359	(A,71 ,190)	CKSRYB104K16
C	360	(A,73 ,190)	CKSRYB471K50
C	361	(A,80 ,190)	CKSRYB104K16
C	362	(A,82 ,190)	CKSRYB471K50

Mark	No.	Description	Part No.
C	363	(A,47 ,79)	CKSRYB104K16
C	364	(A,49 ,79)	CKSRYB471K50
C	365	(A,59 ,79)	CKSRYB104K16
C	366	(A,60 ,79)	CKSRYB471K50
C	367	(A,19 ,184)	CEAT101M10
C	368	(A,20 ,181)	CKSRYB104K16
C	369	(A,21 ,181)	CKSRYB471K50
C	371	(B,141 ,172)	CKSRYB104K16
C	372	(B,143 ,172)	CKSRYB472K50
C	374	(A,25 ,171)	CKSRYB104K16
C	375	(A,25 ,169)	CKSRYB472K50
C	377	(A,24 ,101)	CKSRYB104K16
C	379	(A,139 ,141)	CKSRYB104K16
C	380	(B,142 ,194)	CKSRYB104K16
C	451	(A,125 ,71)	CEAT100M50
C	452	(A,125 ,82)	CEAT100M50
C	453	(A,112 ,74)	CEAT100M50
C	454	(A,112 ,80)	CEAT100M50
C	455	(A,108 ,75)	CKSRYB103K50
C	456	(A,108 ,78)	CKSRYB103K50
C	481	(A,115 ,77)	CKSRYB103K50
C	482	(A,123 ,76)	CKSRYB103K50
C	483	(A,104 ,69)	CEAT101M10
C	484	(A,99 ,72)	CKSRYB104K16
C	485	(A,92 ,69)	CEAT101M10
C	486	(A,96 ,72)	CKSRYB104K16
C	487	(A,105 ,84)	CEAT101M10
C	488	(A,104 ,77)	CKSRYB104K16
C	489	(A,91 ,80)	CKSRYB471K50
C	490	(A,91 ,78)	CKSRYB104K16
C	491	(A,90 ,83)	CEAT101M10
C	501	(A,127 ,39)	CKSRYB102K50
C	502	(A,111 ,39)	CKSRYB102K50
C	503	(B,123 ,36)	CCSRCH331J50
C	504	(B,115 ,36)	CCSRCH331J50
C	505	(A,125 ,35)	CCSRCH331J50
C	506	(A,114 ,35)	CCSRCH331J50
C	507	(A,127 ,30)	CEAT100M50
C	508	(A,111 ,30)	CEAT100M50
C	509	(B,121 ,26)	CKSRYB472K50
C	510	(B,117 ,26)	CKSRYB472K50
C	551	(A,119 ,31)	CKSRYB103K50
C	552	(A,120 ,39)	CKSRYB103K50
C	553	(A,118 ,64)	CEAT101M10
C	554	(A,112 ,51)	CKSRYB104K16
C	555	(A,119 ,59)	CKSRYB103K50
C	556	(A,127 ,44)	CEAT101M10
C	557	(A,125 ,48)	CKSRYB104K16
C	558	(A,125 ,50)	CKSRYB104K16
C	559	(A,112 ,49)	CKSRYB104K16
C	560	(A,111 ,44)	CEAT101M10
C	561	(B,111 ,47)	CKSRYB104K16
C	601	(A,106 ,39)	CKSRYB102K50
C	602	(A,90 ,39)	CKSRYB102K50
C	603	(B,102 ,36)	CCSRCH331J50
C	604	(B,94 ,36)	CCSRCH221J50
C	605	(A,104 ,35)	CCSRCH331J50
C	606	(A,93 ,35)	CCSRCH221J50
C	607	(A,106 ,30)	CEAT100M50
C	608	(A,90 ,30)	CEAT100M50

Mark	No.	Description	Part No.
	C 609	(B,100 ,26)	CKSRYB472K50
	C 610	(B,96 ,26)	CKSRYB472K50
	C 651	(A,98 ,31)	CKSRYB103K50
	C 652	(A,99 ,39)	CKSRYB103K50
	C 653	(A,97 ,64)	CEAT101M10
	C 654	(A,91 ,51)	CKSRYB104K16
	C 655	(A,98 ,59)	CKSRYB103K50
	C 656	(A,106 ,44)	CEAT101M10
	C 657	(A,104 ,48)	CKSRYB104K16
	C 658	(A,104 ,50)	CKSRYB104K16
	C 659	(A,91 ,49)	CKSRYB104K16
	C 660	(A,90 ,44)	CEAT101M10
	C 661	(B,90 ,47)	CKSRYB104K16
	C 701	(A,85 ,39)	CKSRYB102K50
	C 702	(A,69 ,39)	CKSRYB102K50
	C 703	(B,81 ,36)	CCSRCH331J50
	C 704	(B,73 ,36)	CCSRCH331J50
	C 705	(A,83 ,35)	CCSRCH331J50
	C 706	(A,72 ,35)	CCSRCH331J50
	C 707	(A,85 ,30)	CEAT100M50
	C 708	(A,69 ,30)	CEAT100M50
	C 709	(B,79 ,26)	CKSRYB472K50
	C 710	(B,75 ,26)	CKSRYB472K50
	C 751	(A,77 ,31)	CKSRYB103K50
	C 752	(A,78 ,39)	CKSRYB103K50
	C 753	(A,76 ,64)	CEAT101M10
	C 754	(A,70 ,51)	CKSRYB104K16
	C 755	(A,77 ,59)	CKSRYB103K50
	C 756	(A,85 ,44)	CEAT101M10
	C 757	(A,83 ,48)	CKSRYB104K16
	C 758	(A,83 ,50)	CKSRYB104K16
	C 759	(A,70 ,49)	CKSRYB104K16
	C 760	(A,69 ,44)	CEAT101M10
	C 761	(B,69 ,47)	CKSRYB104K16
	C 801	(A,64 ,39)	CKSRYB102K50
	C 802	(A,48 ,39)	CKSRYB102K50
	C 803	(B,60 ,36)	CCSRCH331J50
	C 804	(B,52 ,36)	CCSRCH331J50
	C 805	(A,62 ,35)	CCSRCH331J50
	C 806	(A,51 ,35)	CCSRCH331J50
	C 807	(A,64 ,30)	CEAT100M50
	C 808	(A,48 ,30)	CEAT100M50
	C 809	(B,58 ,26)	CKSRYB472K50
	C 810	(B,54 ,26)	CKSRYB472K50
	C 851	(A,56 ,31)	CKSRYB103K50
	C 852	(A,57 ,39)	CKSRYB103K50
	C 853	(A,55 ,64)	CEAT101M10
	C 854	(A,49 ,51)	CKSRYB104K16
	C 855	(A,56 ,59)	CKSRYB103K50
	C 856	(A,64 ,44)	CEAT101M10
	C 857	(A,62 ,48)	CKSRYB104K16
	C 858	(A,62 ,50)	CKSRYB104K16
	C 859	(A,49 ,49)	CKSRYB104K16
	C 860	(A,48 ,44)	CEAT101M10
	C 861	(B,48 ,47)	CKSRYB104K16
	C 901	(A,43 ,39)	CKSRYB102K50
	C 902	(A,27 ,39)	CKSRYB102K50
	C 903	(B,39 ,36)	CCSRCH331J50
	C 904	(B,31 ,36)	CCSRCH331J50
	C 905	(A,41 ,35)	CCSRCH331J50
	C 906	(A,30 ,35)	CCSRCH331J50
	C 907	(A,43 ,30)	CEAT100M50
	C 908	(A,27 ,30)	CEAT100M50
	C 909	(B,37 ,26)	CKSRYB472K50
	C 910	(B,33 ,26)	CKSRYB472K50
	C 951	(A,35 ,31)	CKSRYB103K50
	C 952	(A,36 ,39)	CKSRYB103K50
	C 953	(A,34 ,64)	CEAT101M10
	C 954	(A,28 ,51)	CKSRYB104K16
	C 955	(A,35 ,59)	CKSRYB103K50
	C 956	(A,43 ,44)	CEAT101M10
	C 957	(A,41 ,48)	CKSRYB104K16
	C 958	(A,41 ,50)	CKSRYB104K16
	C 959	(A,28 ,49)	CKSRYB104K16
	C 960	(A,27 ,44)	CEAT101M10
	C 961	(B,27 ,47)	CKSRYB104K16
	C 963	(A,109 ,175)	CKSRYB104K16
	C 964	(A,110 ,175)	CKSRYB471K50
	C 979	(B,31 ,70)	CKSRYB472K50
	C 980	(B,95 ,77)	CKSRYB472K50
	C 981	(B,67 ,15)	CKSRYB104K16
	C 982	(B,65 ,15)	CKSRYB471K50
	C 985	(B,93 ,77)	CKSRYB104K16
	C 986	(B,91 ,77)	CKSRYB471K50
	C 987	(B,34 ,70)	CKSRYB104K16
	C 988	(B,32 ,70)	CKSRYB471K50
	C 991	(A,140 ,57)	CKSRYB104K16
	C 992	(A,134 ,64)	CEAT101M10
	C 993	(B,137 ,68)	CKSRYB473K25
	C 994	(B,137 ,72)	CKSRYB473K25

L DIGITAL MOTHER ASSY (VSX-72TXV)

MISCELLANEOUS

Mark	No.	Description	Part No.
	IC 101	(A,46 ,158) CPU	PEG116A
	IC 102	(A,46 ,180) FLASH ROM	AYW7076
	IC1	FLASH MEMORY (4M)	MBM29F400TC-70PFTN
	IC 103	(A,89 ,94) LOGIC IC	CD4094BPW
	IC 104	(A,20 ,147) RESET IC	BU4842F
	IC 105	(A,63 ,122) LOGIC IC	SN74AHCT32PW
	IC 106	(A,63 ,133) LOGIC IC	SN74AHCT08PW
	IC 107	(A,83 ,138) IC	TC74VHCT125AFTS1
	IC 108	(A,90 ,114) LOGIC IC	SN74LV244ATPW
	IC 201	(A,114 ,133) CPU	PEG117A
	IC 202	(A,114 ,154) FLASH ROM	AYW7080
	IC2	FLASH MEMORY(4M)	MBM29LV400TC-70PFTN
	IC 203	(A,133 ,107) LOGIC IC	CD4094BPW
	IC 204	(A,107 ,109) IC	TC74VHCT125AFTS1
	IC 205	(A,115 ,107) LOGIC IC	SN74AHC02PW
	IC 206	(A,84 ,127) LOGIC IC	SN74LV125APW
	IC 207	(A,92 ,127) LOGIC IC	SN74AHC08PW
	IC 208	(A,92 ,138) LOGIC IC	SN74LV244APW
	IC 209	(A,82 ,150) LOGIC IC	SN74LV125APW
	IC 210	(A,92 ,150) LOGIC IC	SN74AHC04PW
⚠	IC 221	(A,121 ,92) IC	NJM2391DL1-33
	IC 281	(A,129 ,205) XM/DT IC	F2602E-01
⚠	IC 282	(A,143 ,209) LOAD SWITCHING	AAT4618IGV-0.5-1
	IC 301	(A,105 ,200) DA I/F TRANSCEIVER	AK4114VQ
	IC 307	(A,79 ,168) LOGIC IC	SN74LV157APW
	IC 308	(A,104 ,175) LOGIC IC	SN74LV157APW
	IC 312	(A,67 ,190) LOGIC IC	SN74AHC08PW

Mark	No.	Description	Part No.
	IC 313 (A,77 ,190)	LOGIC IC	SN74AHC08PW
	IC 314 (A,86 ,190)	LOGIC IC	SN74AHC08PW
	IC 315 (A,53 ,79)	LOGIC IC	SN74LV157APW
	IC 316 (A,64 ,79)	LOGIC IC	SN74LV157APW
⚠	IC 321 (A,139 ,183)	IC	NJM2391DL1-33
	IC 481 (A,119 ,77)	OP-AMP IC	BA4560RF
	IC 482 (A,98 ,76)	A/D CONVERTER	PCM1803DB
	IC 551 (A,119 ,52)	D/A CONVERTER IC	DSD1791DBR
	IC 552 (A,119 ,35)	OP-AMP IC	BA4560RF
	IC 651 (A,98 ,52)	D/A CONVERTER IC	DSD1791DBR
	IC 652 (A,98 ,35)	OP-AMP IC	BA4560RF
	IC 751 (A,77 ,52)	D/A CONVERTER IC	DSD1791DBR
	IC 752 (A,77 ,35)	OP-AMP IC	BA4560RF
	IC 851 (A,56 ,52)	D/A CONVERTER IC	DSD1791DBR
	IC 852 (A,56 ,35)	OP-AMP IC	BA4560RF
⚠	IC 991 (A,136 ,54)	IC	NJM2391DL1-33
	Q 101 (B,21 ,146)	TRANSISTOR	DTC143TK
	Q 102 (B,24 ,134)	DIGITAL TR(SC-70)	RT1P241M
	Q 103 (B,27 ,134)	CHIP TR(DUAL)	RN2901
	Q 104 (B,14 ,135)	CHIP TR (PNP X 2)	UMB1N
	Q 105 (A,23 ,17)	CHIP TR (PNP X 2)	UMB1N
	Q 106 (A,139 ,87)	TRANSISTOR	RT1N241M
	Q 107 (A,28 ,17)	CHIP TR (PNP X 2)	UMB1N
	Q 108 (A,138 ,70)	CHIP TR (PNP X 2)	UMB1N
	Q 201 (B,20 ,24)	TRANSISTOR	2SA1036K
	Q 202 (B,21 ,36)	TRANSISTOR	RT1N241M
	Q 281 (B,99 ,153)	DIGITAL TR(SC-70)	RT1P441M
	Q 481 (B,129 ,77)	TRANSISTOR	IMX25
	Q 482 (A,139 ,76)	CHIP TRANSISTOR	RN4903
	D 101 (B,31 ,133)	DIODE	DAN202U
	D 102 (A,107 ,8)	DIODE	DAN202U
	D 103 (A,112 ,8)	DIODE	1SS355
	D 104 (A,51 ,17)	DIODE	DAP202U
	D 105 (A,48 ,17)	DIODE	DAN202U
	D 106 (A,57 ,12)	DIODE	UDZS5R1(B)
	D 107 (B,19 ,137)	DIODE	DAN202U
	D 108 (A,110 ,8)	DIODE	RB520S-30
	D 109 (B,46 ,183)	CHIP DIODE	RB501V-40
	D 110 (B,69 ,142)	DIODE	DAN202U
	D 114 (A,92 ,103)	DIODE	1SS355
	D 116 (A,140 ,83)	CHIP DIODE	RB501V-40
	D 201 (B,18 ,18)	DIODE	DAN202U
	D 202 (B,115 ,157)	CHIP DIODE	RB501V-40
	D 281 (B,138 ,215)	DIODE	UDZS5R6(B)
	D 282 (B,136 ,215)	DIODE	UDZS5R6(B)
	D 451 (B,108 ,74)	DIODE	DAN217
	D 452 (B,108 ,79)	DIODE	DAN217
	L 101 (A,17 ,124)	CHIP SOLID INDUCTOR	ATL7002
	L 102 (B,34 ,16)	CHIP SOLID INDUCTOR	ATL7002
	L 201 (A,129 ,98)	CHIP SOLID INDUCTOR	QTL1013
	L 281 (A,119 ,217)	CHIP SOLID INDUCTOR	QTL1013
	L 282 (A,144 ,200)	CHIP SOLID INDUCTOR	ATL7002
	L 301 (A,85 ,215)	CHIP SOLID INDUCTOR	QTL1013
	L 303 (A,99 ,208)	CHIP SOLID INDUCTOR	QTL1013
	L 304 (A,93 ,207)	CHIP SOLID INDUCTOR	QTL1013
	L 306 (A,75 ,171)	CHIP SOLID INDUCTOR	QTL1013
	L 307 (A,80 ,82)	CHIP SOLID INDUCTOR	QTL1013
	L 308 (A,63 ,193)	CHIP SOLID INDUCTOR	QTL1013
	L 312 (A,100 ,178)	CHIP SOLID INDUCTOR	QTL1013
	L 314 (A,72 ,193)	CHIP SOLID INDUCTOR	QTL1013

Mark	No.	Description	Part No.
	L 316 (A,81 ,193)	CHIP SOLID INDUCTOR	QTL1013
	L 481 (A,108 ,86)	CHIP SOLID INDUCTOR	QTL1013
	L 482 (A,89 ,79)	CHIP SOLID INDUCTOR	QTL1013
	L 551 (A,114 ,61)	CHIP SOLID INDUCTOR	QTL1013
	L 552 (A,128 ,48)	CHIP SOLID INDUCTOR	QTL1013
	L 651 (A,94 ,61)	CHIP SOLID INDUCTOR	QTL1013
	L 652 (A,107 ,48)	CHIP SOLID INDUCTOR	QTL1013
	L 751 (A,72 ,61)	CHIP SOLID INDUCTOR	QTL1013
	L 752 (A,86 ,48)	CHIP SOLID INDUCTOR	QTL1013
	L 851 (A,51 ,61)	CHIP SOLID INDUCTOR	QTL1013
	L 852 (A,65 ,48)	CHIP SOLID INDUCTOR	QTL1013
	JA301 (A,119 ,232)	PIN JACK(2P)	AKB7173
	JA302 (A,98 ,232)	OPT. LINK IN	AKS7001
	JA303 (A,84 ,232)	OPT. LINK IN	AKS7001
	JA304 (A,70 ,232)	OPT. LINK IN	AKS7001
	JA305 (A,57 ,232)	OPT. LINK IN	AKS7001
	JA307 (A,15 ,232)	OPT. LINK OUT	AKS7002
	X 101 (A,46 ,146)	CERAMIC RESONATOR (15.7MHz)	XSS3004
	X 201 (A,114 ,121)	CERAMIC RESONATOR (15.7MHz)	XSS3004
	X 281 (A,118 ,205)	CRYSTAL RESONATOR (45.1584MHz)	ASS7065
	X 301 (A,102 ,190)	CRYSTAL RESONATOR (24.567MHz)	XSS3003
	CN101 (A,70 ,7)	23P CONNECTOR	52045-2345
	CN102 (A,142 ,19)	11P SOCKET	XKP3076
	CN103 (A,52 ,11)	19P CONNECTOR	52045-1945
	CN104 (A,146 ,84)	B TO B CONNCTOR	BTEM16P-1R
	CN105 (A,17 ,48)	23P SOCKET	XKP3082
	CN201 (A,146 ,191)	4P SOCKET	KP200TA4L
	CN281 (A,141 ,232)	4P SOCKET	AKP7201
	CN301 (A,57 ,200)	26P PLUG	AKM7054
	CN302 (A,39 ,98)	26P PLUG	AKM7054
	CN304 (A,142 ,167)	23P SOCKET	XKP3083
	CN991 (A,146 ,25)	B TO B CONNCTOR	BTEM20P-1R
	CN992 (A,146 ,55)	B TO B CONNCTOR	BTEM20P-1R

RESISTORS

Mark	No.	Description	Part No.
	R 101 (A,45 ,17)		RS1/16S105J
	R 102 (A,33 ,143)		RAB4C101J
	R 103 (A,42 ,143)		RAB4C101J
	R 104 (B,37 ,142)		RS1/16S104J
	R 105 (A,35 ,143)		RS1/16S101J
	R 106 (A,37 ,143)		RS1/16S101J
	R 108 (B,41 ,147)		RS1/16S512J
	R 111 (A,40 ,143)		RS1/16S101J
	R 112 (B,45 ,153)		RS1/16S101J
	R 113 (B,47 ,158)		RS1/16S473J
	R 114 (B,54 ,143)		RS1/16S101J
	R 115 (A,54 ,143)		RAB4C101J
	R 116 (A,58 ,143)		RAB4C101J
	R 117 (B,54 ,150)		RS1/16S104J
	R 119 (B,58 ,147)		RS1/16S222J
	R 120 (A,61 ,143)		RS1/16S101J
	R 121 (A,30 ,162)		RS1/16S101J
	R 122 (B,36 ,153)		RS1/16S474J
	R 123 (A,61 ,150)		RAB4C101J
	R 124 (A,61 ,155)		RAB4C101J

Mark	No.	Description	Part No.
	R 125 (B,52 ,150)		RS1/16S104J
	R 126 (B,17 ,129)		RS1/16S473J
	R 127 (B,51 ,155)		RS1/16S104J
	R 128 (B,61 ,159)		RS1/16S473J
	R 129 (A,61 ,158)		RS1/16S473J
	R 131 (B,49 ,155)		RS1/16S104J
	R 132 (A,61 ,162)		RAB4C101J
	R 133 (A,61 ,166)		RAB4C101J
	R 134 (B,61 ,163)		RS1/16S473J
	R 135 (A,56 ,171)		RS1/16S101J
	R 136 (B,19 ,132)		RS1/16S471J
	R 137 (A,32 ,158)		RAB4C101J
	R 138 (B,38 ,158)		RS1/16S474J
	R 139 (B,36 ,158)		RS1/16S104J
	R 140 (B,53 ,155)		RS1/16S474J
	R 142 (B,38 ,153)		RS1/16S473J
	R 144 (B,40 ,153)		RS1/16S473J
	R 145 (A,31 ,148)		RS1/16S101J
	R 146 (B,46 ,179)		RS1/16S104J
	R 147 (B,36 ,178)		RS1/16S473J
	R 149 (B,91 ,93)		RS1/16S473J
	R 150 (B,89 ,93)		RS1/16S473J
	R 151 (B,50 ,150)		RS1/16S104J
	R 153 (B,31 ,129)		RS1/16S471J
	R 154 (B,29 ,129)		RS1/16S473J
	R 155 (B,21 ,132)		RS1/16S102J
	R 156 (B,24 ,129)		RS1/16S473J
	R 157 (B,16 ,145)		RS1/16S470J
	R 161 (B,54 ,17)		RS1/16S105J
	R 162 (B,56 ,12)		RS1/16S223J
	R 164 (A,20 ,150)		RS1/16S104J
	R 165 (B,33 ,163)		RS1/16S101J
	R 166 (B,88 ,116)		RS1/16S104J
	R 167 (B,94 ,110)		RS1/16S104J
	R 168 (B,90 ,112)		RS1/16S104J
	R 169 (B,85 ,129)		RS1/16S104J
	R 170 (B,85 ,140)		RS1/16S104J
	R 171 (A,80 ,133)		RS1/16S101J
	R 172 (B,83 ,129)		RS1/16S104J
	R 174 (B,50 ,143)		RS1/16S101J
	R 175 (B,52 ,143)		RS1/16S101J
	R 176 (A,83 ,144)		RS1/16S101J
	R 179 (B,25 ,143)		RS1/16S103J
	R 180 (B,27 ,153)		RS1/16S222J
	R 188 (B,29 ,153)		RS1/16S103J
	R 189 (B,87 ,96)		RS1/16S104J
	R 190 (B,83 ,115)		RS1/16S474J
	R 191 (B,106 ,129)		RS1/16S473J
	R 192 (B,121 ,131)		RS1/16S473J
	R 195 (B,123 ,131)		RS1/16S473J
	R 196 (A,88 ,153)		RS1/16S104J
	R 197 (B,83 ,140)		RS1/16S182J
	R 199 (A,137 ,149)	RESISTOR ARRAY	RAB4C104J
	R 201 (A,102 ,125)		RAB4C101J
	R 202 (A,106 ,121)		RAB4C101J
	R 203 (B,108 ,129)		RS1/16S472J
	R 204 (B,108 ,133)		RS1/16S473J
	R 205 (A,109 ,121)		RS1/16S101J
	R 206 (B,111 ,130)		RS1/16S101J
	R 207 (B,113 ,130)		RS1/16S473J

Mark	No.	Description	Part No.
	R 208 (B,115 ,130)		RS1/16S473J
	R 209 (A,119 ,118)		RAB4C101J
	R 210 (A,124 ,122)		RAB4C101J
	R 211 (A,124 ,118)		RAB4C473J
	R 214 (A,127 ,127)		RAB4C101J
	R 215 (A,127 ,129)		RS1/16S101J
	R 216 (A,127 ,131)		RS1/16S101J
	R 217 (A,121 ,114)		RS1/16S473J
	R 218 (A,127 ,133)		RAB4C101J
	R 220 (A,127 ,136)		RS1/16S101J
	R 221 (B,117 ,133)		RS1/16S473J
	R 222 (A,127 ,137)		RS1/16S473J
	R 223 (B,118 ,138)		RS1/16S473J
	R 224 (B,131 ,139)		RS1/16S101J
	R 225 (A,127 ,140)		RS1/16S101J
	R 226 (B,133 ,139)		RS1/16S101J
	R 227 (A,102 ,133)		RAB4C101J
	R 229 (B,112 ,138)		RS1/16S473J
	R 230 (B,104 ,129)		RS1/16S101J
	R 231 (A,22 ,147)		RS1/16S104J
	R 232 (B,115 ,153)		RS1/16S104J
	R 234 (B,104 ,151)		RS1/16S473J
	R 237 (A,134 ,99)		RS1/16S473J
	R 238 (A,133 ,114)		RAB4C473J
	R 239 (B,114 ,105)		RS1/16S104J
	R 240 (B,116 ,105)		RS1/16S104J
	R 241 (A,109 ,115)		RS1/16S101J
	R 242 (A,29 ,176)		RS1/16S104J
	R 243 (A,29 ,177)		RS1/16S104J
	R 244 (B,108 ,138)		RS1/16S473J
	R 246 (B,89 ,140)		RS1/16S104J
	R 247 (B,87 ,140)		RS1/16S104J
	R 248 (B,96 ,139)		RS1/16S104J
	R 249 (B,94 ,140)		RS1/16S104J
	R 250 (B,104 ,147)		RS1/16S104J
	R 251 (B,115 ,140)		RS1/16S104J
	R 252 (B,106 ,143)		RS1/16S104J
	R 253 (A,86 ,150)		RS1/16S104J
	R 255 (A,86 ,145)		RS1/16S104J
	R 256 (A,102 ,138)		RS1/16S101J
	R 258 (A,111 ,121)		RS1/16S101J
	R 259 (B,19 ,30)		RS1/16S222J
	R 267 (B,41 ,225)		RS1/16S0R0J
	R 268 (B,44 ,225)		RS1/16S0R0J
	R 269 (A,51 ,209)		RS1/16S0R0J
	R 270 (A,50 ,206)		RS1/16S0R0J
	R 271 (B,21 ,30)		RS1/16S473J
	R 274 (A,124 ,114)		RS1/16S0R0J
	R 275 (A,123 ,114)		RS1/16S0R0J
	R 277 (A,121 ,210)		RS1/16S471J
	R 281 (A,133 ,215)		RS1/16S101J
	R 282 (A,136 ,215)		RS1/16S101J
	R 283 (A,135 ,215)		RS1/16S102J
	R 284 (A,136 ,218)		RS1/16S102J
	R 285 (A,122 ,207)		RS1/16S0R0J
	R 286 (A,122 ,203)		RS1/16S105J
	R 287 (B,137 ,204)		RS1/16S104J
	R 288 (B,133 ,204)		RS1/16S104J
	R 289 (B,137 ,209)		RS1/16S104J
	R 290 (B,132 ,209)		RS1/16S104J

Mark	No.	Description	Part No.
R	291 (A,130 ,197)		RS1/16S104J
R	292 (A,132 ,197)		RS1/16S104J
R	293 (A,127 ,197)		RAB4C101J
R	294 (A,137 ,204)		RAB4C101J
R	295 (A,137 ,208)		RAB4C101J
R	298 (B,101 ,150)		RS1/16S104J
R	299 (B,104 ,138)		RS1/16S101J
R	300 (A,25 ,172)		RS1/16S0R0J
R	301 (B,96 ,220)		RS1/16S101J
R	302 (B,83 ,219)		RS1/16S101J
R	303 (B,69 ,219)		RS1/16S101J
R	304 (B,56 ,219)		RS1/16S101J
R	307 (B,127 ,223)		RS1/16S750J
R	308 (B,116 ,223)		RS1/16S750J
R	309 (B,125 ,219)		RS1/16S100J
R	310 (B,112 ,223)		RS1/16S100J
R	320 (A,96 ,201)		RS1/16S101J
R	321 (A,114 ,198)		RS1/16S1802F
R	322 (A,93 ,193)		RS1/16S470J
R	323 (A,95 ,193)		RS1/16S101J
R	324 (B,91 ,193)		RS1/16S101J
R	325 (B,93 ,193)		RS1/16S101J
R	326 (B,95 ,193)		RS1/16S101J
R	327 (A,108 ,191)		RS1/16S221J
R	328 (A,110 ,191)		RAB4C221J
R	329 (A,113 ,191)		RS1/16S101J
R	330 (A,114 ,194)		RS1/16S0R0J
R	332 (B,31 ,190)		RS1/16S0R0J
R	338 (A,86 ,159)		RS1/16S0R0J
R	342 (A,91 ,159)		RS1/16S0R0J
R	346 (A,91 ,178)		RS1/16S0R0J
R	350 (A,86 ,178)		RS1/16S0R0J
R	351 (A,74 ,161)		RS1/16S101J
R	352 (A,75 ,161)		RS1/16S101J
R	353 (A,77 ,161)		RS1/16S470J
R	356 (A,81 ,161)		RS1/16S470J
R	359 (A,82 ,175)		RS1/16S470J
R	360 (A,75 ,175)		RS1/16S101J
R	361 (A,76 ,175)		RS1/16S101J
R	362 (A,78 ,175)		RS1/16S470J
R	363 (A,101 ,169)		RS1/16S101J
R	364 (A,102 ,169)		RS1/16S101J
R	365 (A,104 ,169)		RS1/16S470J
R	369 (A,108 ,169)		RS1/16S470J
R	373 (A,109 ,181)		RS1/16S470J
R	375 (A,101 ,181)		RS1/16S101J
R	376 (A,103 ,181)		RS1/16S101J
R	377 (A,104 ,181)		RS1/16S470J
R	382 (A,121 ,166)		RS1/16S0R0J
R	386 (A,125 ,166)		RS1/16S0R0J
R	390 (A,124 ,185)		RS1/16S0R0J
R	416 (B,70 ,117)		RS1/16S0R0J
R	418 (B,74 ,117)		RS1/16S0R0J
R	426 (B,68 ,192)		RS1/16S101J
R	427 (B,66 ,192)		RS1/16S101J
R	428 (A,70 ,196)		RS1/16S220J
R	429 (A,66 ,196)		RS1/16S470J
R	430 (A,69 ,206)		RS1/16S473J
R	431 (A,137 ,161)	RESISTOR ARRAY	RAB4C104J
R	432 (A,137 ,157)	RESISTOR ARRAY	RAB4C104J
R	439 (A,69 ,184)		RS1/16S0R0J
R	440 (A,66 ,184)		RS1/16S101J
R	441 (A,70 ,184)		RS1/16S470J
R	442 (A,67 ,184)		RS1/16S470J
R	443 (A,75 ,184)		RS1/16S0R0J
R	444 (A,78 ,184)		RS1/16S0R0J
R	445 (B,78 ,195)		RS1/16S0R0J
R	446 (B,73 ,195)		RS1/16S0R0J
R	447 (A,76 ,184)		RS1/16S470J
R	448 (A,79 ,184)		RS1/16S470J
R	449 (B,74 ,188)		RS1/16S470J
R	450 (B,76 ,188)		RS1/16S470J
R	453 (A,130 ,73)		RS1/16S752J
R	454 (A,130 ,80)		RS1/16S752J
R	455 (A,130 ,75)		RS1/16S822J
R	456 (A,130 ,78)		RS1/16S822J
R	457 (B,128 ,71)		RS1/16S392J
R	458 (B,128 ,82)		RS1/16S392J
R	461 (A,137 ,76)		RS1/16S223J
R	462 (A,137 ,77)		RS1/16S223J
R	463 (B,122 ,72)		RS1/16S104J
R	464 (B,122 ,81)		RS1/16S104J
R	465 (A,108 ,73)		RS1/16S101J
R	466 (A,108 ,79)		RS1/16S101J
R	472 (B,95 ,114)		RS1/16S0R0J
R	473 (B,97 ,114)		RS1/16S0R0J
R	474 (B,139 ,118)		RS1/16S0R0J
R	475 (B,137 ,118)		RS1/16S0R0J
R	480 (A,144 ,172)		RS1/16S0R0J
R	481 (B,99 ,82)		RS1/16S101J
R	482 (B,96 ,82)		RS1/16S101J
R	483 (A,91 ,76)		RS1/16S101J
R	484 (A,99 ,82)		RS1/16S470J
R	485 (A,98 ,82)		RS1/16S101J
R	487 (A,137 ,74)		RS1/16S104J
R	491 (A,83 ,184)		RS1/16S101J
R	493 (B,87 ,193)		RS1/16S101J
R	494 (B,85 ,193)		RS1/16S470J
R	495 (A,85 ,184)		RS1/16S470J
R	496 (A,88 ,184)		RS1/16S470J
R	497 (B,89 ,193)		RS1/16S470J
R	499 (A,23 ,98)		RS1/16S0R0J
R	501 (A,127 ,40)		RS1/16S222J
R	502 (A,111 ,40)		RS1/16S222J
R	503 (A,124 ,40)		RS1/16S222J
R	504 (A,115 ,40)		RS1/16S222J
R	505 (B,127 ,36)		RS1/16S362J
R	506 (B,111 ,36)		RS1/16S362J
R	507 (B,125 ,36)		RS1/16S101J
R	508 (B,113 ,36)		RS1/16S101J
R	509 (A,127 ,34)		RS1/16S362J
R	510 (A,111 ,34)		RS1/16S362J
R	511 (A,127 ,36)		RS1/16S101J
R	512 (A,111 ,36)		RS1/16S101J
R	513 (A,127 ,37)		RS1/16S122J
R	514 (A,111 ,37)		RS1/16S122J
R	515 (A,125 ,38)		RS1/16S122J
R	516 (A,114 ,38)		RS1/16S122J
R	517 (B,121 ,31)		RS1/16S474J
R	518 (B,117 ,31)		RS1/16S474J

Mark	No.	Description	Part No.
R	519	(B,123 ,26)	RS1/16S221J
R	520	(B,115 ,26)	RS1/16S221J
R	551	(A,112 ,54)	RS1/16S101J
R	552	(A,112 ,58)	RS1/16S101J
R	553	(A,112 ,56)	RS1/16S101J
R	554	(A,112 ,59)	RS1/16S0R0J
R	558	(A,127 ,59)	RS1/16S221J
R	559	(A,127 ,58)	RS1/16S221J
R	560	(A,127 ,56)	RS1/16S221J
R	561	(A,112 ,53)	RS1/16S221J
R	562	(B,120 ,55)	RS1/16S0R0J
R	563	(B,122 ,55)	RS1/16S0R0J
R	564	(B,116 ,55)	RS1/16S0R0J
R	601	(A,106 ,40)	RS1/16S222J
R	602	(A,90 ,40)	RS1/16S222J
R	603	(A,103 ,40)	RS1/16S222J
R	604	(A,94 ,40)	RS1/16S222J
R	605	(B,106 ,36)	RS1/16S302J
R	606	(B,90 ,36)	RS1/16S682J
R	607	(B,104 ,36)	RS1/16S101J
R	608	(B,92 ,36)	RS1/16S101J
R	609	(A,106 ,34)	RS1/16S302J
R	610	(A,90 ,34)	RS1/16S682J
R	611	(A,106 ,36)	RS1/16S101J
R	612	(A,90 ,36)	RS1/16S101J
R	613	(A,106 ,37)	RS1/16S152J
R	614	(A,90 ,37)	RS1/16S102J
R	615	(A,104 ,38)	RS1/16S152J
R	616	(A,93 ,38)	RS1/16S102J
R	617	(B,100 ,31)	RS1/16S474J
R	618	(B,96 ,31)	RS1/16S474J
R	619	(B,102 ,26)	RS1/16S221J
R	620	(B,94 ,26)	RS1/16S221J
R	651	(A,91 ,54)	RS1/16S101J
R	652	(A,91 ,58)	RS1/16S101J
R	653	(A,91 ,56)	RS1/16S101J
R	654	(A,91 ,59)	RS1/16S0R0J
R	658	(A,106 ,59)	RS1/16S221J
R	659	(A,106 ,58)	RS1/16S221J
R	660	(A,106 ,56)	RS1/16S221J
R	661	(A,91 ,53)	RS1/16S221J
R	662	(B,99 ,55)	RS1/16S0R0J
R	663	(B,101 ,55)	RS1/16S0R0J
R	664	(B,95 ,55)	RS1/16S0R0J
R	701	(A,85 ,40)	RS1/16S222J
R	702	(A,69 ,40)	RS1/16S222J
R	703	(A,82 ,40)	RS1/16S222J
R	704	(A,73 ,40)	RS1/16S222J
R	705	(B,85 ,36)	RS1/16S302J
R	706	(B,69 ,36)	RS1/16S302J
R	707	(B,83 ,36)	RS1/16S101J
R	708	(B,71 ,36)	RS1/16S101J
R	709	(A,85 ,34)	RS1/16S302J
R	710	(A,69 ,34)	RS1/16S302J
R	711	(A,85 ,36)	RS1/16S101J
R	712	(A,69 ,36)	RS1/16S101J
R	713	(A,85 ,37)	RS1/16S152J
R	714	(A,69 ,37)	RS1/16S152J
R	715	(A,83 ,38)	RS1/16S152J
R	716	(A,72 ,38)	RS1/16S152J
R	717	(B,79 ,31)	RS1/16S474J
R	718	(B,75 ,31)	RS1/16S474J
R	719	(B,81 ,26)	RS1/16S221J
R	720	(B,73 ,26)	RS1/16S221J
R	751	(A,70 ,54)	RS1/16S101J
R	752	(A,70 ,58)	RS1/16S101J
R	753	(A,70 ,56)	RS1/16S101J
R	754	(A,70 ,59)	RS1/16S0R0J
R	758	(A,85 ,59)	RS1/16S221J
R	759	(A,85 ,58)	RS1/16S221J
R	760	(A,85 ,56)	RS1/16S221J
R	761	(A,70 ,53)	RS1/16S221J
R	762	(B,78 ,55)	RS1/16S0R0J
R	763	(B,80 ,55)	RS1/16S0R0J
R	764	(B,74 ,55)	RS1/16S0R0J
R	801	(A,64 ,40)	RS1/16S222J
R	802	(A,48 ,40)	RS1/16S222J
R	803	(A,61 ,40)	RS1/16S222J
R	804	(A,52 ,40)	RS1/16S222J
R	805	(B,64 ,36)	RS1/16S302J
R	806	(B,48 ,36)	RS1/16S302J
R	807	(B,62 ,36)	RS1/16S101J
R	808	(B,50 ,36)	RS1/16S101J
R	809	(A,64 ,34)	RS1/16S302J
R	810	(A,48 ,34)	RS1/16S302J
R	811	(A,64 ,36)	RS1/16S101J
R	812	(A,48 ,36)	RS1/16S101J
R	813	(A,64 ,37)	RS1/16S152J
R	814	(A,48 ,37)	RS1/16S152J
R	815	(A,62 ,38)	RS1/16S152J
R	816	(A,51 ,38)	RS1/16S152J
R	817	(B,58 ,31)	RS1/16S474J
R	818	(B,54 ,31)	RS1/16S474J
R	819	(B,60 ,26)	RS1/16S221J
R	820	(B,52 ,26)	RS1/16S221J
R	851	(A,49 ,54)	RS1/16S101J
R	852	(A,49 ,58)	RS1/16S101J
R	853	(A,49 ,56)	RS1/16S101J
R	854	(A,49 ,59)	RS1/16S0R0J
R	858	(A,64 ,59)	RS1/16S221J
R	859	(A,64 ,58)	RS1/16S221J
R	860	(A,64 ,56)	RS1/16S221J
R	861	(A,49 ,53)	RS1/16S221J
R	864	(B,53 ,55)	RS1/16S0R0J
R	950	(A,43 ,55)	RS1/16S0R0J
R	972	(A,50 ,73)	RS1/16S0R0J
R	973	(A,52 ,73)	RS1/16S470J
R	975	(A,53 ,73)	RS1/16S101J
R	976	(A,55 ,73)	RS1/16S101J
R	977	(A,56 ,73)	RS1/16S470J
R	980	(A,54 ,85)	RS1/16S0R0J
R	981	(A,56 ,85)	RS1/16S470J
R	984	(A,61 ,73)	RS1/16S0R0J
R	985	(A,62 ,73)	RS1/16S470J
R	988	(A,65 ,73)	RS1/16S0R0J
R	989	(A,67 ,73)	RS1/16S470J
R	990		RS1/16S0R0J
R	992	(A,65 ,85)	RS1/16S0R0J
R	993	(A,67 ,85)	RS1/16S470J
R	994	(A,59 ,85)	RS1/16S0R0J

Mark	No.	Description	Part No.
	R 997		RS1/16S0R0J
	R 998	(A,50 ,85)	RS1/16S101J
	R 999	(A,51 ,85)	RS1/16S220J
	R 9983		RS1/16S0R0J
	R 9984		RS1/16S0R0J
	R 9989		RS1/16S0R0J
	R 9990		RS1/16S0R0J

CAPACITORS

Mark	No.	Description	Part No.
	C 101	(B,14 ,38)	CKSRYB103K50
	C 102	(A,11 ,38) ELECTR.CAPACITOR	CEAT102M10
	C 103	(A,18 ,126)	CKSRYB103K50
	C 105	(A,33 ,148)	CKSRYB104K16
	C 106	(A,34 ,148)	CKSRYB471K50
	C 108	(A,46 ,141)	CKSRYB104K16
	C 109	(A,46 ,143)	CKSRYB471K50
	C 110	(A,59 ,148)	CKSRYB104K16
	C 111	(A,57 ,148)	CKSRYB471K50
	C 114	(A,45 ,170)	CKSRYB104K16
	C 115	(A,45 ,169)	CKSRYB471K50
	C 116	(A,33 ,181)	CKSRYB104K16
	C 117	(A,34 ,181)	CKSRYB471K50
	C 118	(A,86 ,94)	CKSRYB104K16
	C 120	(B,26 ,129)	CKSRYB472K50
	C 121	(B,21 ,129)	CKSRYB103K50
	C 122	(A,16 ,141)	CEAT471M6R3
	C 123	(B,52 ,17)	CKSRYB473K25
	C 124	(B,46 ,17)	CKSRYB473K25
	C 125	(A,62 ,13)	CEAT100M50
	C 126	(A,18 ,147)	CKSRYB105K10
	C 127	(B,19 ,129)	CKSRYB472K50
	C 128	(A,85 ,114)	CKSRYB104K16
	C 130	(A,59 ,133)	CKSRYB104K16
	C 131	(A,79 ,138)	CKSRYB104K16
	C 132	(A,59 ,122)	CKSRYB104K16
	C 133	(A,93 ,17)	CKSRYB104K16
	C 135	(B,48 ,150)	CKSRYB472K50
	C 202	(A,114 ,116)	CKSRYB104K16
	C 203	(A,114 ,118)	CKSRYB471K50
	C 204	(A,115 ,145)	CKSRYB104K16
	C 205	(A,115 ,143)	CKSRYB471K50
	C 206	(A,101 ,129)	CKSRYB104K16
	C 207	(A,103 ,129)	CKSRYB471K50
	C 208	(A,15 ,17) ELECTR.CAPACITOR	CEAT102M10
	C 209	(A,101 ,155)	CKSRYB104K16
	C 210	(A,102 ,155)	CKSRYB471K50
	C 211	(A,129 ,108)	CKSRYB104K16
	C 212	(A,103 ,109)	CKSRYB104K16
	C 213	(A,111 ,108)	CKSRYB104K16
	C 215	(A,80 ,127)	CKSRYB104K16
	C 216	(A,88 ,127)	CKSRYB104K16
	C 217	(A,87 ,138)	CKSRYB104K16
	C 218	(A,78 ,150)	CKSRYB104K16
	C 219	(A,88 ,150)	CKSRYB104K16
	C 221	(A,129 ,89)	CKSRYB104K16
	C 222	(A,131 ,93)	CEAT331M10
	C 281	(A,145 ,215)	CEAT470M16
	C 282	(B,140 ,213)	CKSRYB104K16
	C 283	(A,132 ,213)	CKSRYB104K16
	C 284	(A,137 ,213)	CKSRYB104K16
	C 285	(B,131 ,216)	CKSRYB104K16
	C 286	(A,126 ,214)	CEAT470M16
	C 287	(B,127 ,209)	CKSRYB104K16
	C 288	(B,129 ,209)	CKSRYB471K50
	C 289	(A,121 ,207)	CCSRCH100D50
	C 290	(A,121 ,203)	CCSRCH100D50
	C 293	(B,145 ,209)	CKSRYB105K10
	C 301	(A,79 ,214)	CEJQ101M10
	C 302	(B,99 ,220)	CKSRYB104K16
	C 303	(B,86 ,219)	CKSRYB104K16
	C 304	(B,72 ,219)	CKSRYB104K16
	C 305	(B,59 ,219)	CKSRYB104K16
	C 307	(B,15 ,219)	CKSRYB104K16
	C 308	(B,127 ,219)	CKSRYB103K50
	C 309	(B,114 ,223)	CKSRYB103K50
	C 319	(A,119 ,195)	CEJQ101M6R3
	C 320	(A,114 ,195)	CKSRYB104K16
	C 321	(A,114 ,197)	CKSRYB471K50
	C 322	(A,96 ,216)	CEJQ101M10
	C 323	(A,98 ,205)	CKSRYB104K16
	C 324	(A,98 ,204)	CKSRYB471K50
	C 325	(A,88 ,210)	CEJQ101M6R3
	C 326	(A,97 ,197)	CKSRYB104K16
	C 327	(A,99 ,197)	CKSRYB471K50
	C 328	(A,100 ,193)	CCSRCH120J50
	C 329	(A,103 ,193)	CCSRCH120J50
	C 330	(A,114 ,200)	CKSRYB474K10
	C 332	(A,19 ,205)	CEAT101M10
	C 340	(A,74 ,168)	CKSRYB104K16
	C 341	(A,75 ,168)	CKSRYB471K50
	C 342	(A,99 ,175)	CKSRYB104K16
	C 343	(A,100 ,175)	CKSRYB471K50
	C 346	(A,84 ,79)	CEAT331M10
	C 352	(A,61 ,190)	CKSRYB104K16
	C 353	(A,63 ,190)	CKSRYB471K50
	C 354	(A,66 ,94)	CKSRYB104K16
	C 357	(A,144 ,187)	CKSRYB104K16
	C 358	(A,136 ,193)	CEAT331M10
	C 359	(A,71 ,190)	CKSRYB104K16
	C 360	(A,73 ,190)	CKSRYB471K50
	C 361	(A,80 ,190)	CKSRYB104K16
	C 362	(A,82 ,190)	CKSRYB471K50
	C 363	(A,47 ,79)	CKSRYB104K16
	C 364	(A,49 ,79)	CKSRYB471K50
	C 365	(A,59 ,79)	CKSRYB104K16
	C 366	(A,60 ,79)	CKSRYB471K50
	C 371	(B,141 ,172)	CKSRYB104K16
	C 372	(B,143 ,172)	CKSRYB472K50
	C 375	(A,25 ,169)	CKSRYB472K50
	C 379	(A,139 ,141)	CKSRYB104K16
	C 380	(B,142 ,194)	CKSRYB104K16
	C 451	(A,125 ,71)	CEAT100M50
	C 452	(A,125 ,82)	CEAT100M50
	C 453	(A,112 ,74)	CEAT100M50
	C 454	(A,112 ,80)	CEAT100M50
	C 455	(A,108 ,75)	CKSRYB103K50
	C 456	(A,108 ,78)	CKSRYB103K50
	C 481	(A,115 ,77)	CKSRYB103K50
	C 482	(A,123 ,76)	CKSRYB103K50
	C 483	(A,104 ,69)	CEAT101M10

Mark	No.	Description	Part No.
	C 484 (A,99 ,72)		CKSRYB104K16
	C 485 (A,92 ,69)		CEAT101M10
	C 486 (A,96 ,72)		CKSRYB104K16
	C 487 (A,105 ,84)		CEAT101M10
	C 488 (A,104 ,77)		CKSRYB104K16
	C 489 (A,91 ,80)		CKSRYB471K50
	C 490 (A,91 ,78)		CKSRYB104K16
	C 491 (A,90 ,83)		CEAT101M10
	C 501 (A,127 ,39)		CKSRYB102K50
	C 502 (A,111 ,39)		CKSRYB102K50
	C 503 (B,123 ,36)		CCSRCH331J50
	C 504 (B,115 ,36)		CCSRCH331J50
	C 505 (A,125 ,35)		CCSRCH331J50
	C 506 (A,114 ,35)		CCSRCH331J50
	C 507 (A,127 ,30)		CEAT100M50
	C 508 (A,111 ,30)		CEAT100M50
	C 509 (B,121 ,26)		CKSRYB472K50
	C 510 (B,117 ,26)		CKSRYB472K50
	C 551 (A,119 ,31)		CKSRYB103K50
	C 552 (A,120 ,39)		CKSRYB103K50
	C 553 (A,118 ,64)		CEAT101M10
	C 554 (A,112 ,51)		CKSRYB104K16
	C 555 (A,119 ,59)		CKSRYB103K50
	C 556 (A,127 ,44)		CEAT101M10
	C 557 (A,125 ,48)		CKSRYB104K16
	C 558 (A,125 ,50)		CKSRYB104K16
	C 559 (A,112 ,49)		CKSRYB104K16
	C 560 (A,111 ,44)		CEAT101M10
	C 561 (B,111 ,47)		CKSRYB104K16
	C 601 (A,106 ,39)		CKSRYB102K50
	C 602 (A,90 ,39)		CKSRYB102K50
	C 603 (B,102 ,36)		CCSRCH331J50
	C 604 (B,94 ,36)		CCSRCH221J50
	C 605 (A,104 ,35)		CCSRCH331J50
	C 606 (A,93 ,35)		CCSRCH221J50
	C 607 (A,106 ,30)		CEAT100M50
	C 608 (A,90 ,30)		CEAT100M50
	C 609 (B,100 ,26)		CKSRYB472K50
	C 610 (B,96 ,26)		CKSRYB472K50
	C 651 (A,98 ,31)		CKSRYB103K50
	C 652 (A,99 ,39)		CKSRYB103K50
	C 653 (A,97 ,64)		CEAT101M10
	C 654 (A,91 ,51)		CKSRYB104K16
	C 655 (A,98 ,59)		CKSRYB103K50
	C 656 (A,106 ,44)		CEAT101M10
	C 657 (A,104 ,48)		CKSRYB104K16
	C 658 (A,104 ,50)		CKSRYB104K16
	C 659 (A,91 ,49)		CKSRYB104K16
	C 660 (A,90 ,44)		CEAT101M10
	C 661 (B,90 ,47)		CKSRYB104K16
	C 701 (A,85 ,39)		CKSRYB102K50
	C 702 (A,69 ,39)		CKSRYB102K50
	C 703 (B,81 ,36)		CCSRCH331J50
	C 704 (B,73 ,36)		CCSRCH331J50
	C 705 (A,83 ,35)		CCSRCH331J50
	C 706 (A,72 ,35)		CCSRCH331J50
	C 707 (A,85 ,30)		CEAT100M50
	C 708 (A,69 ,30)		CEAT100M50
	C 709 (B,79 ,26)		CKSRYB472K50
	C 710 (B,75 ,26)		CKSRYB472K50
	C 751 (A,77 ,31)		CKSRYB103K50
	C 752 (A,78 ,39)		CKSRYB103K50
	C 753 (A,76 ,64)		CEAT101M10
	C 754 (A,70 ,51)		CKSRYB104K16
	C 755 (A,77 ,59)		CKSRYB103K50
	C 756 (A,85 ,44)		CEAT101M10
	C 757 (A,83 ,48)		CKSRYB104K16
	C 758 (A,83 ,50)		CKSRYB104K16
	C 759 (A,70 ,49)		CKSRYB104K16
	C 760 (A,69 ,44)		CEAT101M10
	C 761 (B,69 ,47)		CKSRYB104K16
	C 801 (A,64 ,39)		CKSRYB102K50
	C 802 (A,48 ,39)		CKSRYB102K50
	C 803 (B,60 ,36)		CCSRCH331J50
	C 804 (B,52 ,36)		CCSRCH331J50
	C 805 (A,62 ,35)		CCSRCH331J50
	C 806 (A,51 ,35)		CCSRCH331J50
	C 807 (A,64 ,30)		CEAT100M50
	C 808 (A,48 ,30)		CEAT100M50
	C 809 (B,58 ,26)		CKSRYB472K50
	C 810 (B,54 ,26)		CKSRYB472K50
	C 851 (A,56 ,31)		CKSRYB103K50
	C 852 (A,57 ,39)		CKSRYB103K50
	C 853 (A,55 ,64)		CEAT101M10
	C 854 (A,49 ,51)		CKSRYB104K16
	C 855 (A,56 ,59)		CKSRYB103K50
	C 856 (A,64 ,44)		CEAT101M10
	C 857 (A,62 ,48)		CKSRYB104K16
	C 858 (A,62 ,50)		CKSRYB104K16
	C 859 (A,49 ,49)		CKSRYB104K16
	C 860 (A,48 ,44)		CEAT101M10
	C 861 (B,48 ,47)		CKSRYB104K16
	C 979 (B,31 ,70)		CKSRYB472K50
	C 980 (B,95 ,77)		CKSRYB472K50
	C 981 (B,67 ,15)		CKSRYB104K16
	C 982 (B,65 ,15)		CKSRYB471K50
	C 985 (B,93 ,77)		CKSRYB104K16
	C 986 (B,91 ,77)		CKSRYB471K50
	C 987 (B,34 ,70)		CKSRYB104K16
	C 988 (B,32 ,70)		CKSRYB471K50
	C 991 (A,140 ,57)		CKSRYB104K16
	C 992 (A,134 ,64)		CEAT101M10
	C 993 (B,137 ,68)		CKSRYB473K25
	C 994 (B,137 ,72)		CKSRYB473K25

M DSP ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
	IC 101 (A,35 ,60)	DSP IC	ADSP-21266SKSTZ-2D
	IC 102 (B,32 ,38)	LOGIC IC (LATCHES)	TC74VHC573FTS1
	IC 103 (B,45 ,38)	LOGIC IC (LATCHES)	TC74VHC573FTS1
	IC 104 (A,42 ,22)	2 TO 4 LINE DECODER	TC7W139FU
	IC 105 (B,42 ,17)	FLASH ROM	AYW7081
	IC1	FLASH MEMORY IC	S29AL016D70TFI010
	IC 106 (A,25 ,17)	SRAM(4M)	CY7C1049C3312VXC
	IC 107 (B,16 ,60)	LOGIC IC	SN74AHC08PW
	IC 109 (A,40 ,15)	LOGIC IC	SN74AHC1G32DCK
	IC 201 (B,62 ,57)	DSP IC	DSPC56371AF180
	IC 301 (A,70 ,41)	LOGIC IC	TC7WHU04FU
⚠	IC 351 (B,17 ,34)	IC	NJM2391DL1-33

Mark	No.	Description	Part No.
⚠	IC 352 (B,31 ,89)	REGULATOR IC	BA00HC5FP
⚠	IC 354 (A,51 ,11)	IC	NJM2391DL1-33
⚠	IC 355 (A,63 ,11)	REGULATOR IC	LM1117DT-ADJ
	Q 201 (A,53 ,62)	TRANSISTOR	RT1N241M
	Q 301 (A,65 ,33)	TRANSISTOR	UN5212
	L 101 (A,27 ,82)	CHIP SOLID INDUCTOR	ATL7002
	L 102 (B,15 ,76)	CHIP SOLID INDUCTOR	QTL1013
	L 103 (B,27 ,31)	CHIP SOLID INDUCTOR	QTL1013
	L 104 (B,38 ,32)	CHIP SOLID INDUCTOR	QTL1013
	L 105 (A,37 ,19)	CHIP SOLID INDUCTOR	QTL1013
	L 106 (A,37 ,18)	CHIP SOLID INDUCTOR	QTL1013
	L 107 (B,11 ,71)	CHIP SOLID INDUCTOR	QTL1013
	L 108 (A,12 ,13)	CHIP SOLID INDUCTOR	QTL1013
	L 201 (B,60 ,27)	CHIP SOLID INDUCTOR	QTL1013
	L 202 (A,51 ,37)	CHIP SOLID INDUCTOR	QTL1013
	L 203 (A,55 ,51)	CHIP SOLID INDUCTOR	QTL1013
	L 301 (A,77 ,39)	CHIP SOLID INDUCTOR	QTL1013
	X 301 (A,72 ,33)	CRYSTAL RESONATOR (20MHz)	VSS1171
	CN351 (A,11 ,51)	26P SOCKET	AKP7198
	CN352 (A,112 ,69)	26P SOCKET	AKP7198

RESISTORS

Mark	No.	Description	Part No.
	R 101 (A,23 ,47)		RAB4C472J
	R 102 (B,29 ,48)		RS1/16S101J
	R 103 (B,34 ,48)		RAB4C470J
	R 104 (B,38 ,48)		RAB4C470J
	R 105 (A,45 ,46)		RS1/16S220J
	R 106 (B,48 ,51)		RS1/16S100J
	R 107 (B,49 ,46)		RS1/16S470J
	R 108 (B,42 ,47)		RAB4C470J
	R 109 (B,46 ,47)		RAB4C470J
	R 111 (B,50 ,70)		RAB4C220J
	R 113 (B,42 ,77)		RAB4C101J
	R 116 (B,38 ,77)		RS1/16S220J
	R 117 (B,36 ,77)		RS1/16S220J
	R 118 (B,32 ,76)		RS1/16S101J
	R 119 (B,32 ,78)		RS1/16S101J
	R 120 (B,28 ,73)		RS1/16S101J
	R 122 (B,26 ,65)		RS1/16S101J
	R 123 (B,24 ,63)		RS1/16S101J
	R 124 (B,24 ,61)		RS1/16S101J
	R 125 (B,24 ,54)		RS1/16S101J
	R 126 (B,25 ,57)		RS1/16S101J
	R 127 (B,29 ,58)		RS1/16S100J
	R 130 (A,12 ,29)		RAB4C472J
	R 131 (B,31 ,56)		RS1/16S101J
	R 132 (B,30 ,32)		RAB4C470J
	R 133 (B,34 ,32)		RAB4C470J
	R 134 (B,47 ,32)		RAB4C470J
	R 135 (B,44 ,32)		RS1/16S470J
	R 136 (A,37 ,20)		RS1/16S470J
	R 137 (A,37 ,22)		RS1/16S470J
	R 139 (A,45 ,16)		RS1/16S473J
	R 140 (A,48 ,25)		RS1/16S473J
	R 141 (B,13 ,53)		RS1/16S101J
	R 142 (B,13 ,55)		RS1/16S101J
	R 144 (B,21 ,58)		RS1/16S220J
	R 145 (B,21 ,61)		RS1/16S220J
	R 147 (B,11 ,65)		RS1/16S101J
	R 148 (B,11 ,62)		RS1/16S101J
	R 149 (B,19 ,66)		RS1/16S220J
	R 150 (B,15 ,66)		RS1/16S220J
	R 151 (A,45 ,15)		RS1/16S470J
	R 158 (A,45 ,13)		RS1/16S472J
	R 159 (B,34 ,58)		RS1/16S472J
	R 160 (B,33 ,71)		RS1/16S472J
	R 161 (B,30 ,71)		RS1/16S472J
	R 202 (A,66 ,74)		RAB4C103J
	R 203 (A,70 ,57)		RS1/16S473J
	R 206 (B,56 ,38)		RS1/16S473J
	R 207 (A,66 ,58)		RS1/16S101J
	R 208 (A,62 ,58)		RAB4C101J
	R 210 (A,60 ,54)		RS1/16S103J
	R 211 (A,58 ,51)		RS1/16S101J
	R 213 (B,47 ,60)		RS1/16S101J
	R 215 (A,53 ,55)		RS1/16S472J
	R 224 (B,56 ,71)		RAB4C101J
	R 229 (A,63 ,65)		RS1/16S101J
	R 230 (B,68 ,69)		RS1/16S101J
	R 231 (B,69 ,69)		RS1/16S220J
	R 232 (B,70 ,69)		RS1/16S101J
	R 233 (B,71 ,69)		RS1/16S220J
	R 235 (A,62 ,74)		RAB4C220J
	R 236 (B,58 ,74)		RS1/16S0R0J
	R 237 (B,54 ,75)		RS1/16S0R0J
	R 238 (B,70 ,73)		RS1/16S0R0J
	R 239 (B,73 ,72)		RS1/16S0R0J
	R 240 (A,70 ,54)		RS1/16S101J
	R 301 (A,69 ,37)		RS1/16S105J
	R 302 (A,73 ,37)		RS1/16S152J
	R 303 (A,71 ,45)		RS1/16S220J
	R 304 (A,65 ,41)		RS1/16S220J
	R 305 (A,66 ,39)		RS1/16S220J
	R 351 (B,37 ,84)		RS1/16S1001F
	R 352 (B,37 ,87)		RS1/16S2001F
	R 353 (A,68 ,16)		RS1/16S102J
	R 354 (B,13 ,83)		RS1/16S0R0J
	R 355 (B,13 ,79)		RS1/16S0R0J
	R 356 (A,30 ,33)		RS1/16S0R0J
	R 357 (A,30 ,36)		RS1/16S0R0J

CAPACITORS

Mark	No.	Description	Part No.
	C 101 (A,24 ,44)		CCSRCH471J50
	C 102 (A,24 ,43)		CKSRYB104K16
	C 103 (A,30 ,46)		CCSRCH471J50
	C 104 (A,30 ,44)		CKSRYB104K16
	C 105 (A,32 ,42)		CCSRCH471J50
	C 106 (A,32 ,41)		CKSRYB104K16
	C 107 (A,34 ,46)		CCSRCH471J50
	C 108 (A,34 ,44)		CKSRYB104K16
	C 109 (A,37 ,46)		CCSRCH471J50
	C 110 (A,37 ,44)		CKSRYB104K16
	C 111 (A,40 ,46)		CCSRCH471J50
	C 112 (A,40 ,44)		CKSRYB104K16
	C 113 (A,49 ,50)		CCSRCH471J50
	C 114 (A,50 ,50)		CKSRYB104K16
	C 115 (A,49 ,56)		CCSRCH471J50
	C 116 (A,51 ,56)		CKSRYB104K16
	C 117 (A,49 ,59)		CCSRCH471J50

Mark	No.	Description	Part No.
	C 118 (A,51 ,59)		CKSRYB104K16
	C 119 (A,49 ,65)		CCSRCH471J50
	C 120 (A,51 ,65)		CKSRYB104K16
	C 121 (A,49 ,68)		CCSRCH471J50
	C 122 (A,51 ,68)		CKSRYB104K16
	C 123 (A,49 ,70)		CCSRCH471J50
	C 124 (A,51 ,70)		CKSRYB104K16
	C 125 (A,44 ,76)		CCSRCH471J50
	C 126 (A,44 ,77)		CKSRYB104K16
	C 127 (A,41 ,76)		CCSRCH471J50
	C 128 (A,41 ,77)		CKSRYB104K16
	C 129 (A,38 ,76)		CCSRCH471J50
	C 130 (A,38 ,77)		CKSRYB104K16
	C 131 (A,32 ,76)		CCSRCH471J50
	C 132 (A,32 ,77)		CKSRYB104K16
	C 133 (A,29 ,76)		CCSRCH471J50
	C 134 (A,29 ,77)		CKSRYB104K16
	C 135 (A,26 ,76)		CCSRCH471J50
	C 136 (A,26 ,77)		CKSRYB104K16
	C 137 (A,20 ,71)		CCSRCH471J50
	C 138 (A,19 ,71)		CKSRYB104K16
	C 139 (A,20 ,69)		CCSRCH471J50
	C 140 (A,19 ,69)		CKSRYB104K16
	C 141 (A,20 ,63)		CCSRCH471J50
	C 142 (A,19 ,63)		CKSRYB104K16
	C 143 (A,20 ,60)		CCSRCH471J50
	C 144 (A,19 ,60)		CKSRYB104K16
	C 145 (A,20 ,57)		CCSRCH471J50
	C 146 (A,19 ,57)		CKSRYB104K16
	C 147 (A,27 ,46)		CCSRCH471J50
	C 148 (A,27 ,44)		CKSRYB104K16
	C 149 (A,35 ,42)		CCSRCH471J50
	C 150 (A,35 ,41)		CKSRYB104K16
	C 151 (A,43 ,46)		CCSRCH471J50
	C 152 (A,43 ,44)		CKSRYB104K16
	C 153 (A,49 ,54)		CCSRCH471J50
	C 154 (A,51 ,54)		CKSRYB104K16
	C 155 (A,49 ,62)		CCSRCH471J50
	C 156 (A,51 ,62)		CKSRYB104K16
	C 157 (A,47 ,76)		CCSRCH471J50
	C 158 (A,47 ,77)		CKSRYB104K16
	C 159 (A,35 ,76)		CCSRCH471J50
	C 160 (A,35 ,77)		CKSRYB104K16
	C 161 (A,20 ,66)		CCSRCH471J50
	C 162 (A,19 ,66)		CKSRYB104K16
	C 163 (A,19 ,54)		CCSRCH471J50
	C 164 (A,18 ,54)		CKSRYB104K16
	C 165 (A,20 ,51)		CCSRCH471J50
	C 166 (A,19 ,51)		CKSRYB104K16
	C 167 (A,22 ,54)		CCSRCH471J50
	C 168 (A,21 ,54)		CKSRYB104K16
	C 169 (B,30 ,63)		CKSRYB103K50
	C 171 (B,27 ,37)		CCSRCH471J50
	C 172 (B,26 ,37)		CKSRYB104K16
	C 173 (B,40 ,36)		CCSRCH471J50
	C 174 (B,39 ,36)		CKSRYB104K16
	C 175 (A,42 ,20)		CCSRCH471J50
	C 176 (A,42 ,18)		CKSRYB104K16
	C 178 (B,41 ,30)		CCSRCH471J50
	C 179 (B,41 ,31)		CKSRYB104K16

Mark	No.	Description	Part No.
	C 181 (A,18 ,18)		CCSRCH471J50
	C 182 (A,17 ,18)		CKSRYB104K16
	C 183 (A,32 ,17)		CCSRCH471J50
	C 184 (A,34 ,17)		CKSRYB104K16
	C 185 (B,12 ,59)		CCSRCH471J50
	C 186 (B,11 ,59)		CKSRYB104K16
	C 189 (A,38 ,15)		CCSRCH471J50
	C 190 (A,36 ,15)		CKSRYB104K16
	C 201 (B,72 ,57)		CCSRCH471J50
	C 202 (B,74 ,57)		CKSRYB104K16
	C 203 (B,63 ,47)		CCSRCH471J50
	C 204 (B,63 ,46)		CKSRYB104K16
	C 205 (B,52 ,52)		CCSRCH471J50
	C 206 (B,51 ,52)		CKSRYB104K16
	C 207 (B,51 ,58)		CCSRCH471J50
	C 208 (B,50 ,58)		CKSRYB104K16
	C 209 (B,62 ,68)		CCSRCH471J50
	C 210 (B,62 ,69)		CKSRYB104K16
	C 211 (B,72 ,62)		CCSRCH471J50
	C 212 (B,74 ,62)		CKSRYB104K16
	C 213 (B,72 ,52)		CCSRCH471J50
	C 214 (B,74 ,52)		CKSRYB104K16
	C 215 (B,67 ,47)		CCSRCH471J50
	C 216 (B,67 ,46)		CKSRYB104K16
	C 217 (B,52 ,50)		CCSRCH471J50
	C 218 (B,51 ,50)		CKSRYB104K16
	C 219 (B,59 ,68)		CCSRCH471J50
	C 220 (B,59 ,69)		CKSRYB104K16
	C 221 (B,65 ,68)		CCSRCH471J50
	C 222 (B,65 ,69)		CKSRYB104K16
	C 223 (B,56 ,47)		CCSRCH471J50
	C 224 (B,56 ,46)		CKSRYB104K16
	C 228 (B,50 ,56)		CKSRYB103K50
	C 302 (A,73 ,41)		CCSRCH471J50
	C 303 (A,74 ,41)		CKSRYB104K16
	C 304 (A,69 ,36)		CCSRCH100D50
	C 305 (A,73 ,36)		CCSRCH100D50
	C 351 (A,115 ,46)		CEVW101M16
	C 353 (B,6 ,32)		CKSRYB104K16
	C 354 (B,14 ,43)		CEVW101M16
	C 357 (A,29 ,88)	CHIP OS CAPACITOR	ACH7256
	C 360 (A,56 ,16)		CKSRYB104K16
	C 361 (A,53 ,21)		CEVW101M16
	C 364 (A,65 ,21)	CHIP ELECT.CAPACITOR	CEVW101M4

N INTERFACE ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
⚠	IC 4301(A,239 ,227)	PROTECTOR(1.6A)	AEK7066
	Q 4301(B,229 ,221)	CHIP TRANSISTOR	RSR015P03
	Q 4303(B,215 ,223)	TRANSISTOR	RT1N241C
	D 4302(A,14 ,206)	DIODE	MTZJ6R2(B)
	L 4311(B,56 ,163)	CHIP BEADS	VTL1083
	L 4312(B,134 ,222)	CHIP BEADS	VTL1083
	L 4313(B,132 ,222)	CHIP BEADS	VTL1083
	L 4314(B,130 ,222)	CHIP BEADS	VTL1083
	L 4315(B,128 ,222)	CHIP BEADS	VTL1083
	L 4316(B,126 ,222)	CHIP BEADS	VTL1083
	L 4317(B,124 ,222)	CHIP BEADS	VTL1083

Mark	No.	Description	Part No.
L	4318(B,122,222)	CHIP BEADS	VTL1083
L	4320(B,79,233)	CHIP BEADS	VTL1083
L	4321(B,79,228)	CHIP BEADS	VTL1083
L	4322(B,79,231)	CHIP BEADS	VTL1083
L	4323(B,279,236)	CHIP BEADS	VTL1083
L	4324(B,321,226)	CHIP BEADS	VTL1083
J	4	4PJUMPER WIRE	D20PDD0420E
J	4308(A,260,197)	CONNECTOR ASS'Y	PF11PG-R05
J	4309(A,232,197)	CONNECTOR ASS'Y	PF08PG-R05
KN	4301(A,151,218)	WRAPPING TERMINAL	VNF1084
CN	4301(A,285,231)	CONNECTOR	52045-1545
CN	4302(A,194,232)	11P PLUG	XKP3065
CN	4303(A,188,232)	B TO B CONNCTOR	BTEM20S-1S
CN	4304(A,158,232)	B TO B CONNCTOR	BTEM20S-1S
CN	4305(A,129,232)	B TO B CONNCTOR	BTEM16S-1S
CN	4306(A,46,232)	23P PLUG	XKP3071
CN	4307(A,22,230)	4P PLUG	KM200TA4
CN	4310	24P SOCKET	AKP7203
CN	4311(A,42,207)	24P SOCKET	AKP7203
CN	4312(A,192,184)	11P PLUG	XKP3065
CN	4313(A,110,183)	B TO B CONNCTOR	BTEM20S-1S
CN	4314(A,51,184)	13P PLUG	XKP3066
CN	4315(A,15,185)	7P PLUG	KM200TA7
CN	4316(A,33,152)	17P PLUG	XKP3068
CN	4317(A,30,128)	15P PLUG	XKP3067
CN	4318(A,18,106)	6P PLUG	KM200TA6
CN	4319(A,25,73)	13P PLUG	XKP3066
CN	4320(A,37,43)	23P PLUG	XKP3071
CN	4324(A,72,185)	7P PLUG	KM200TA7
CN	4325(A,157,183)	B TO B CONNCTOR	BTEM14S-1S
Y	18 (A,9,202)	3P HOUSING WIRE ASSY	ADX7494
	4305(A,224,200)	PCB BINDER	VEF1040
	4304(A,203,184)	PCB BINDER	VEF1040
	4303(A,107,175)	PCB BINDER	VEF1040
	4302(A,31,197)	4P CABLE HOLDER	51048-0400
	4301(A,198,198)	4P CABLE HOLDER	51048-0400
Y	17	AWG14 BOARD IN	ADX7493

RESISTORS

Mark	No.	Description	Part No.
R	4302(B,235,225)		RS1/16S103J
R	4303(B,224,224)		RS1/16S101J
R	4305(B,246,219)		RS1/16S103J
R	4319(B,120,222)		RS1/16S102J
R	4327(B,150,208)		RS1/16S0R0J
R	4328(B,150,206)		RS1/16S0R0J

CAPACITORS

Mark	No.	Description	Part No.
C	4301(A,300,185)		CEAT470M25
C	4302(A,300,191)		CEAT470M25
C	4303(A,136,199)	ELECTR. CAPACITOR	CEAL470M25
C	4304(A,146,201)	ELECTR. CAPACITOR	CEAL470M25
C	4305(B,241,219)		CKSRYB104K25
C	4307(B,146,214)		CKSRYB103K50
C	4308(B,146,216)		CKSRYB471K50
C	4313(B,267,186)		CKSRYB102K50
C	4314(B,252,189)		CKSRYB102K50

O POWER AMP IN ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
Q	5601(B,61,180)	CHIP TRANSISTOR	2SD2704K
Q	5602(B,41,219)	TRANSISTOR	IMT4
Q	5603(B,45,207)	CHIP TRANSISTOR	2SA1514K
Q	5604(A,28,206)	TRANSISTOR	2SA1145
Q	5605(A,30,225)	TRANSISTOR	2SC2705
Q	5641(B,15,213)	CHIP TR	2SA1255
D	5601(B,38,205)	CHIP ZENER DIODE	UDZS3R6(B)
D	5602(B,38,207)	DIODE	1SS355
D	5603(B,26,222)	DIODE	1SS355
D	5604(B,28,212)	DIODE	1SS355
D	5605(B,28,218)	DIODE	UDZS4R7(B)
D	5606(B,26,212)	DIODE	UDZS4R7(B)
D	5641(B,11,229)	DIODE	1SS355
D	5642(B,13,229)	DIODE	1SS355
D	5643(B,9,229)	DIODE	1SS355
D	5644(B,45,238)	DIODE	1SS355
CN	5601(A,71,233)	13P PLUG	XKP3066
CN	5602(A,56,199)	13P PLUG	XKP3066
CN	5603(A,74,131)	19P CONNECTOR	52044-1945
CN	5605(A,47,233)	SOCKET 7-P	KP250NA7
CN	5606(A,32,199)	SOCKET 7-P	KP250NA7
	5604(A,7,215)	5P CABLE HOLDER	51048-0500

RESISTORS

Mark	No.	Description	Part No.
R	5601(B,58,178)		RS1/16S102J
R	5602(B,48,212)		RS1/16S221J
R	5603(B,48,216)		RS1/16S333J
R	5604(B,58,182)		RS1/16S103J
R	5605(B,41,213)		RS1/16S152J
R	5606(B,38,217)		RS1/16S821J
R	5607(B,44,203)		RS1/16S2001F
R	5608(B,43,212)		RS1/16S682J
R	5609(A,36,214)	CARBON FILM RESISTOR	RD1/2VM473J
R	5610(B,32,202)		RS1/16S151J
R	5611(B,29,203)		RN1/16SE1201D
R	5612(B,31,230)		RS1/16S221J
⚠R	5623(A,69,206)	CARBON FILM RESISTOR	RD1/4MUF4R7J
⚠R	5624(A,56,217)	CARBON FILM RESISTOR	RD1/4MUF4R7J
⚠R	5627(A,20,225)	RESISTOR (0.18, 5W)	ACN7121
R	5629(B,43,224)		RN1/10SE3302D
R	5630(B,45,220)		RN1/16SE1001D
R	5631(B,47,220)		RN1/16SE1500D
R	5632(B,29,229)		RS1/16S151J
R	5641(B,7,229)		RS1/16S473J
R	5642(B,13,195)		RS1/16S223J
R	5643(B,15,230)		RS1/16S471J
R	5644(B,15,195)		RS1/16S471J
R	5645(B,11,235)		RS1/16S472J
R	5646(B,13,235)		RS1/16S472J
R	5647(B,15,208)		RS1/16S122J
R	5648(B,48,238)		RS1/16S154J
R	5649(B,50,235)		RS1/16S103J
R	5650(B,52,235)		RS1/16S103J

CAPACITORS

Mark	No.	Description	Part No.
C	5601(A,51,212)		CEAT4R7M50
C	5602(B,46,216)		CCSRCH221J50
C	5604(B,39,213)		CKSRYB102K50
C	5607(A,41,203)		CEAT101M10
C	5608(B,35,228)	CAPACITOR(CERAMIC)	ACG7057
C	5609(A,31,210)	ELECT. CAPACITOR	CEAT100M2A
C	5615(B,47,225)		CCSRCH220J50

Mark	No.	Description	Part No.
	C 5616(B,45 ,225)		CCSRCH220J50
	C 5617(A,50 ,221)		CEAT331M10
	C 5623(A,67 ,209)		CEAT100M63
	C 5624(A,63 ,225)		CEAT100M63
	C 5632(B,28 ,233)		CKSRYB224K16
	C 5641(A,13 ,199)		CEANP2R2M50

P POWER PROTECT ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
	IC 5701(B,17 ,153)	OP-AMP IC	BA4560RF
	Q 5701(B,10 ,107)	TRANSISTOR	RT1N241M
	Q 5702(B,20 ,107)	DIGITAL TR(SC-70)	RT1P241M
	Q 5704(B,16 ,166)	TRANSISTOR	2SC4081
	Q 5705(B,13 ,107)	TRANSISTOR	RT1N241M
	D 5701(B,26 ,166)	DIODE	1SS355
	CN5701(A,8 ,97)	11P PLUG	XKP3065
	CN5702(A,21 ,131)	11P PLUG	XKP3065
	CN5703(A,46 ,178)	19P CONNECTOR	52044-1945
	CN5704(A,17 ,181)	CONNECTOR	S5B-PH
	CN5705(A,19 ,39)	17P CONNECTOR	52044-1745

RESISTORS

Mark	No.	Description	Part No.
	R 5701(B,13 ,118)		RS1/16S332J
	R 5702(B,16 ,118)		RS1/16S332J
	R 5703(B,27 ,88)		RS1/16S473J
	R 5704(B,27 ,81)		RS1/16S0R0J
	R 5707(B,20 ,88)		RS1/16S473J
	R 5709(B,22 ,81)		RS1/16S0R0J
	R 5710(B,21 ,149)		RS1/16S223J
	R 5711(B,21 ,153)		RS1/16S103J
	R 5712(B,12 ,155)		RS1/16S472J
	R 5713(B,21 ,158)		RS1/16S103J
	R 5714(B,13 ,139)		RS1/16S102J
	R 5715(B,8 ,166)		RS1/16S473J
	R 5716(B,13 ,166)		RS1/16S472J
	R 5717(B,19 ,166)		RS1/16S103J
	R 5720(B,21 ,166)		RS1/16S103J
	R 5721(B,24 ,166)		RS1/16S683J
	R 5746(B,17 ,88)		RS1/16S0R0J
	R 5747(B,18 ,107)		RS1/16S0R0J
	R 5750(B,26 ,161)		RS1/16S0R0J

CAPACITORS

Mark	No.	Description	Part No.
	C 5701(B,25 ,88)		CKSRYB104K50
	C 5702(B,22 ,88)		CKSRYB104K50
	C 5703(B,24 ,158)		CKSRYB104K50
	C 5704(B,12 ,151)		CKSRYB104K50
	C 5705(B,11 ,166)		CKSRYB223K50
	C 5706(B,14 ,44)		CKSRYB103K50

Q POWER AMP-L ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
⚠	IC 5001(A,169 ,134)	DARLINGTON POWER IC	SAP17N(OY)
⚠	IC 5002(A,209 ,134)	DARLINGTON POWER IC	SAP17P(OY)
⚠	IC 5101(A,105 ,134)	DARLINGTON POWER IC	SAP17N(OY)
⚠	IC 5102(A,137 ,134)	DARLINGTON POWER IC	SAP17P(OY)
⚠	IC 5201(A,249 ,134)	DARLINGTON POWER IC	SAP17N(OY)
⚠	IC 5202(A,281 ,134)	DARLINGTON POWER IC	SAP17P(OY)
⚠	IC 5601(A,313 ,134)	DARLINGTON POWER IC	SAP17N(OY)

Mark	No.	Description	Part No.
	Q 5001(B,193 ,207)	CHIP TRANSISTOR	2SD2704K
	Q 5002(B,181 ,194)	TRANSISTOR	IMT4
	Q 5004(A,192 ,184)	TRANSISTOR	2SA1145
	Q 5005(A,168 ,192)	TRANSISTOR	2SC2705
	Q 5041(B,156 ,195)	CHIP TR	2SA1255
	Q 5101(B,136 ,207)	CHIP TRANSISTOR	2SD2704K
	Q 5102(B,124 ,194)	TRANSISTOR	IMT4
	Q 5103(B,137 ,198)	CHIP TRANSISTOR	2SA1514K
	Q 5104(A,135 ,184)	TRANSISTOR	2SA1145
	Q 5105(A,112 ,192)	TRANSISTOR	2SC2705
	Q 5141(B,100 ,202)	CHIP TR	2SA1255
	Q 5201(B,274 ,206)	CHIP TRANSISTOR	2SD2704K
	Q 5202(B,262 ,193)	TRANSISTOR	IMT4
	Q 5203(B,275 ,197)	CHIP TRANSISTOR	2SA1514K
	Q 5204(A,273 ,183)	TRANSISTOR	2SA1145
	Q 5205(A,250 ,191)	TRANSISTOR	2SC2705
	Q 5241(B,238 ,197)	CHIP TR	2SA1255
	D 5001(B,197 ,188)	CHIP ZENER DIODE	UDZS3R6(B)
	D 5002(B,195 ,188)	DIODE	1SS355
	D 5003(B,187 ,183)	DIODE	1SS355
	D 5004(B,179 ,183)	DIODE	1SS355
	D 5005(B,184 ,183)	DIODE	UDZS4R7(B)
	D 5006(B,182 ,183)	DIODE	UDZS4R7(B)
	D 5041(B,156 ,174)	DIODE	1SS355
	D 5042(B,158 ,174)	DIODE	1SS355
	D 5043(B,158 ,203)	DIODE	1SS355
	D 5044(B,161 ,170)	DIODE	1SS355
	D 5101(B,141 ,188)	CHIP ZENER DIODE	UDZS3R6(B)
	D 5102(B,139 ,188)	DIODE	1SS355
	D 5103(B,130 ,183)	DIODE	1SS355
	D 5104(B,123 ,183)	DIODE	1SS355
	D 5105(B,128 ,183)	DIODE	UDZS4R7(B)
	D 5106(B,125 ,183)	DIODE	UDZS4R7(B)
	D 5141(B,93 ,187)	DIODE	1SS355
	D 5142(B,96 ,187)	DIODE	1SS355
	D 5143(B,103 ,205)	DIODE	1SS355
	D 5144(B,104 ,182)	DIODE	1SS355
	D 5201(B,279 ,187)	CHIP ZENER DIODE	UDZS3R6(B)
	D 5202(B,276 ,187)	DIODE	1SS355
	D 5203(B,268 ,181)	DIODE	1SS355
	D 5204(B,261 ,181)	DIODE	1SS355
	D 5205(B,266 ,181)	DIODE	UDZS4R7(B)
	D 5206(B,263 ,181)	DIODE	UDZS4R7(B)
	D 5241(B,238 ,173)	DIODE	1SS355
	D 5242(B,240 ,173)	DIODE	1SS355
	D 5243(B,240 ,202)	DIODE	1SS355
	D 5244(B,242 ,173)	DIODE	1SS355
⚠	TH5001(A,160 ,229)	POSISTOR	PTFM04BC222Q2N34B0
	CN5001(A,320 ,205)	13P SOCKET	XKP3077
	CN5002(A,86 ,219)	11P SOCKET	XKP3076
	CN5003(A,313 ,196)	7-P PLUG	KM250NA7L

RESISTORS

Mark	No.	Description	Part No.
	R 5001(B,199 ,202)		RS1/16S102J
	R 5002(B,187 ,202)		RS1/16S221J
	R 5003(B,184 ,203)		RS1/16S333J
	R 5004(B,199 ,205)		RS1/16S103J
	R 5005(B,177 ,192)		RS1/16S152J
	R 5006(B,170 ,200)		RS1/16S821J
	R 5007(B,197 ,197)		RS1/16S2001F

Mark	No.	Description	Part No.
R	5008(B,186 ,194)		RS1/16S682J
R	5009(A,189 ,193)	CARBON FILM RESISTOR	RD1/2VM473J
R	5010(B,197 ,183)		RS1/16S151J
R	5011(B,195 ,184)		RN1/16SE1201D
R	5012(B,169 ,197)		RS1/16S221J
R	5013(B,183 ,150)	CHIP RESISTOR	RS1/16S62R0F
R	5021(B,176 ,153)		RS1/16S101J
R	5022(B,190 ,153)		RS1/16S101J
⚠R	5023(A,198 ,166)	CARBON FILM RESISTOR	RD1/4MUF4R7J
⚠R	5024(A,168 ,176)	CARBON FILM RESISTOR	RD1/4MUF4R7J
⚠R	5025(B,163 ,156)	CHIP RESISTOR	ACN7132
⚠R	5026(B,200 ,156)	CHIP RESISTOR	ACN7132
⚠R	5027(A,192 ,166)	RESISTOR (0.18, 5W)	ACN7121
R	5029(B,174 ,203)		RN1/10SE3302D
R	5030(B,180 ,203)		RN1/16SE1001D
R	5031(B,180 ,205)		RN1/16SE1500D
R	5032(B,167 ,196)		RS1/16S151J
R	5041(B,154 ,169)		RS1/16S473J
R	5042(B,156 ,169)		RS1/16S223J
R	5043(B,152 ,169)		RS1/16S471J
R	5044(B,158 ,169)		RS1/16S471J
R	5045(B,158 ,179)		RS1/16S472J
R	5046(B,161 ,179)		RS1/16S472J
R	5047(B,157 ,187)		RS1/16S122J
R	5048(B,158 ,183)		RS1/16S154J
R	5049(B,161 ,183)		RS1/16S103J
R	5050(B,160 ,187)		RS1/16S103J
R	5101(B,143 ,202)		RS1/16S102J
R	5102(B,130 ,202)		RS1/16S221J
R	5103(B,127 ,203)		RS1/16S333J
R	5104(B,143 ,205)		RS1/16S103J
R	5105(B,120 ,192)		RS1/16S152J
R	5106(B,114 ,200)		RS1/16S821J
R	5107(B,141 ,197)		RS1/16S2001F
R	5108(B,130 ,194)		RS1/16S682J
R	5109(A,133 ,193)	CARBON FILM RESISTOR	RD1/2VM473J
R	5110(B,141 ,183)		RS1/16S151J
R	5111(B,139 ,184)		RN1/16SE1201D
R	5112(B,113 ,197)		RS1/16S221J
R	5113(B,115 ,150)	CHIP RESISTOR	RS1/16S62R0F
R	5121(B,108 ,153)		RS1/16S101J
R	5122(B,129 ,150)		RS1/16S101J
⚠R	5123(A,142 ,166)	CARBON FILM RESISTOR	RD1/4MUF4R7J
⚠R	5124(A,111 ,176)	CARBON FILM RESISTOR	RD1/4MUF4R7J
⚠R	5125(B,99 ,156)	CHIP RESISTOR	ACN7132
⚠R	5126(B,136 ,156)	CHIP RESISTOR	ACN7132
⚠R	5127(A,136 ,166)	RESISTOR (0.18, 5W)	ACN7121
R	5129(B,117 ,203)		RN1/10SE3302D
R	5130(B,123 ,203)		RN1/16SE1001D
R	5131(B,123 ,205)		RN1/16SE1500D
R	5132(B,110 ,196)		RS1/16S151J
R	5141(B,97 ,182)		RS1/16S473J
R	5142(B,99 ,182)		RS1/16S223J
R	5143(B,95 ,182)		RS1/16S471J
R	5144(B,102 ,182)		RS1/16S471J
R	5145(B,100 ,187)		RS1/16S472J
R	5146(B,102 ,187)		RS1/16S472J
R	5147(B,99 ,195)		RS1/16S122J
R	5148(B,100 ,191)		RS1/16S154J
R	5149(B,102 ,191)		RS1/16S103J

Mark	No.	Description	Part No.
R	5150(B,102 ,195)		RS1/16S103J
R	5201(B,281 ,201)		RS1/16S102J
R	5202(B,268 ,201)		RS1/16S221J
R	5203(B,265 ,202)		RS1/16S333J
R	5204(B,281 ,204)		RS1/16S103J
R	5205(B,258 ,191)		RS1/16S152J
R	5206(B,252 ,199)		RS1/16S821J
R	5207(B,279 ,196)		RS1/16S2001F
R	5208(B,268 ,193)		RS1/16S682J
R	5209(A,271 ,192)	CARBON FILM RESISTOR	RD1/2VM473J
R	5210(B,278 ,183)		RS1/16S151J
R	5211(B,276 ,183)		RN1/16SE1201D
R	5212(B,251 ,196)		RS1/16S221J
R	5213(B,259 ,149)	CHIP RESISTOR	RS1/16S62R0F
R	5221(B,251 ,153)		RS1/16S101J
R	5222(B,269 ,153)		RS1/16S101J
⚠R	5223(A,280 ,164)	CARBON FILM RESISTOR	RD1/4MUF4R7J
⚠R	5224(A,250 ,175)	CARBON FILM RESISTOR	RD1/4MUF4R7J
⚠R	5225(B,238 ,156)	CHIP RESISTOR	ACN7132
⚠R	5226(B,279 ,156)	CHIP RESISTOR	ACN7132
⚠R	5227(A,274 ,165)	RESISTOR (0.18, 5W)	ACN7121
R	5229(B,255 ,202)		RN1/10SE3302D
R	5230(B,261 ,202)		RN1/16SE1001D
R	5231(B,261 ,204)		RN1/16SE1500D
R	5232(B,248 ,195)		RS1/16S151J
R	5241(B,237 ,169)		RS1/16S473J
R	5242(B,239 ,169)		RS1/16S223J
R	5243(B,235 ,169)		RS1/16S471J
R	5244(B,241 ,169)		RS1/16S471J
R	5245(B,240 ,180)		RS1/16S472J
R	5246(B,242 ,180)		RS1/16S472J
R	5247(B,240 ,189)		RS1/16S122J
R	5248(B,237 ,180)		RS1/16S154J
R	5249(B,242 ,184)		RS1/16S103J
R	5250(B,240 ,184)		RS1/16S103J
⚠R	5292(B,300 ,156)	CHIP RESISTOR	ACN7132
R	5613(B,314 ,153)	CHIP RESISTOR	RS1/16S62R0F
R	5621(B,308 ,151)		RS1/16S101J

CAPACITORS

Mark	No.	Description	Part No.
C	5001(A,190 ,203)		CEAT4R7M50
C	5002(B,184 ,200)		CCSRCH221J50
C	5004(B,174 ,197)		CKSRYB102K50
C	5007(A,202 ,193)		CEAT101M10
C	5008(B,171 ,197)	CAPACITOR(CERAMIC)	ACG7057
C	5009(A,186 ,188)	ELECT. CAPACITOR	CEAT100M2A
C	5011(B,169 ,142)	CAPACITOR(CERAMIC)	ACG7056
C	5012(B,197 ,142)	CAPACITOR(CERAMIC)	ACG7056
C	5015(B,175 ,205)		CCSRCH220J50
C	5016(B,175 ,207)		CCSRCH220J50
C	5017(A,179 ,207)		CEAT331M10
C	5023(A,197 ,180)		CEAT100M63
C	5024(A,173 ,186)		CEAT100M63
C	5032(B,166 ,199)		CKSRYB224K16
C	5041(A,155 ,190)		CEANP2R2M50
C	5051(A,219 ,183)	ELECT. CAPACITOR	CEAT100M2A
C	5052(A,223 ,177)	ELECT. CAPACITOR	CEAT100M2A
C	5101(A,133 ,203)		CEAT4R7M50
C	5102(B,127 ,200)		CCSRCH221J50
C	5104(B,117 ,197)		CKSRYB102K50

Mark	No.	Description	Part No.
C	5107(A,145 ,193)		CEAT101M10
C	5108(B,115 ,197)	CAPACITOR(CERAMIC)	ACG7057
C	5109(A,129 ,188)	ELECT. CAPACITOR	CEAT100M2A
C	5111(B,101 ,142)	CAPACITOR(CERAMIC)	ACG7056
C	5112(B,130 ,142)	CAPACITOR(CERAMIC)	ACG7056
C	5115(B,119 ,205)		CCSRCH220J50
C	5116(B,119 ,207)		CCSRCH220J50
C	5117(A,123 ,207)		CEAT331M10
C	5123(A,141 ,180)		CEAT100M63
C	5124(A,116 ,186)		CEAT100M63
C	5132(B,110 ,199)		CKSRYB224K16
C	5141(A,96 ,198)		CEANP2R2M50
C	5201(A,271 ,202)		CEAT4R7M50
C	5202(B,265 ,199)		CCSRCH221J50
C	5204(B,255 ,196)		CKSRYB102K50
C	5207(A,283 ,192)		CEAT101M10
C	5208(B,253 ,196)	CAPACITOR(CERAMIC)	ACG7057
C	5209(A,267 ,187)	ELECT. CAPACITOR	CEAT100M2A
C	5211(B,244 ,142)	CAPACITOR(CERAMIC)	ACG7056
C	5212(B,275 ,142)	CAPACITOR(CERAMIC)	ACG7056
C	5215(B,257 ,204)		CCSRCH220J50
C	5216(B,257 ,206)		CCSRCH220J50
C	5217(A,261 ,206)		CEAT331M10
C	5223(A,287 ,181)		CEAT100M63
C	5224(A,255 ,185)		CEAT100M63
C	5232(B,248 ,198)		CKSRYB224K16
C	5241(A,237 ,192)		CEANP2R2M50
C	5611(B,307 ,142)	CAPACITOR(CERAMIC)	ACG7056

R POWER AMP-R ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
⚠IC	5301(A,197 ,112)	DARLINGTON POWER IC	SAP17N(OY)
⚠IC	5302(A,157 ,112)	DARLINGTON POWER IC	SAP17P(OY)
⚠IC	5401(A,125 ,112)	DARLINGTON POWER IC	SAP17N(OY)
⚠IC	5402(A,93 ,112)	DARLINGTON POWER IC	SAP17P(OY)
⚠IC	5501(A,269 ,112)	DARLINGTON POWER IC	SAP17N(OY)
⚠IC	5502(A,237 ,112)	DARLINGTON POWER IC	SAP17P(OY)
⚠IC	5602(A,301 ,112)	DARLINGTON POWER IC	SAP17P(OY)
Q	5301(B,196 ,38)	CHIP TRANSISTOR	2SD2704K
Q	5302(B,187 ,52)	TRANSISTOR	IMT4
Q	5303(B,173 ,49)	CHIP TRANSISTOR	2SA1514K
Q	5304(A,176 ,63)	TRANSISTOR	2SA1145
Q	5305(A,199 ,49)	TRANSISTOR	2SC2705
Q	5341(B,152 ,48)	CHIP TR	2SA1255
Q	5401(B,132 ,38)	CHIP TRANSISTOR	2SD2704K
Q	5402(B,126 ,52)	TRANSISTOR	IMT4
Q	5403(B,113 ,48)	CHIP TRANSISTOR	2SA1514K
Q	5404(A,119 ,64)	TRANSISTOR	2SA1145
Q	5405(A,139 ,49)	TRANSISTOR	2SC2705
Q	5441(B,94 ,46)	CHIP TR	2SA1255
Q	5501(B,285 ,38)	CHIP TRANSISTOR	2SD2704K
Q	5502(B,276 ,52)	TRANSISTOR	IMT4
Q	5503(B,262 ,49)	CHIP TRANSISTOR	2SA1514K
Q	5504(A,260 ,63)	TRANSISTOR	2SA1145
Q	5505(A,288 ,49)	TRANSISTOR	2SC2705
Q	5541(B,239 ,49)	CHIP TR	2SA1255
Q	5571(B,225 ,38)	TRANSISTOR	2SC4081
Q	5572(B,222 ,38)	TRANSISTOR	2SC4081
D	5301(B,171 ,57)	CHIP ZENER DIODE	UDZS3R6(B)
D	5302(B,173 ,59)	DIODE	1SS355
D	5303(B,181 ,64)	DIODE	1SS355
D	5304(B,187 ,64)	DIODE	1SS355
D	5305(B,183 ,64)	DIODE	UDZS4R7(B)
D	5306(B,185 ,64)	DIODE	UDZS4R7(B)
D	5341(B,153 ,67)	DIODE	1SS355
D	5342(B,151 ,67)	DIODE	1SS355
D	5343(B,151 ,44)	DIODE	1SS355
D	5344(B,155 ,70)	DIODE	1SS355
D	5401(B,114 ,59)	CHIP ZENER DIODE	UDZS3R6(B)
D	5402(B,116 ,60)	DIODE	1SS355
D	5403(B,124 ,64)	DIODE	1SS355
D	5404(B,130 ,64)	DIODE	1SS355
D	5405(B,126 ,64)	DIODE	UDZS4R7(B)
D	5406(B,128 ,64)	DIODE	UDZS4R7(B)
D	5441(B,93 ,58)	DIODE	1SS355
D	5442(B,90 ,58)	DIODE	1SS355
D	5443(B,94 ,40)	DIODE	1SS355
D	5444(B,111 ,79)	DIODE	1SS355
D	5501(B,255 ,57)	CHIP ZENER DIODE	UDZS3R6(B)
D	5502(B,257 ,59)	DIODE	1SS355
D	5503(B,265 ,64)	DIODE	1SS355
D	5504(B,271 ,64)	DIODE	1SS355
D	5505(B,267 ,64)	DIODE	UDZS4R7(B)
D	5506(B,269 ,64)	DIODE	UDZS4R7(B)
D	5541(B,240 ,71)	DIODE	1SS355
D	5542(B,238 ,71)	DIODE	1SS355
D	5543(B,242 ,46)	DIODE	1SS355
D	5544(B,242 ,73)	DIODE	1SS355
⚠TH	5301(A,166 ,17)	POSISTOR	PTFM04BC222Q2N34B0
CN	5301(A,320 ,26)	13P SOCKET	XKP3077
CN	5302(A,86 ,40)	11P SOCKET	XKP3076
CN	5303(A,313 ,66)	7-P PLUG	KM250NA7L

RESISTORS

Mark	No.	Description	Part No.
R	5301(B,203 ,43)		RS1/16S102J
R	5302(B,191 ,42)		RS1/16S221J
R	5303(B,187 ,41)		RS1/16S333J
R	5304(B,203 ,40)		RS1/16S103J
R	5305(B,194 ,55)		RS1/16S152J
R	5306(B,194 ,52)		RS1/16S821J
R	5307(B,169 ,48)		RS1/16S2001F
R	5308(B,180 ,52)		RS1/16S682J
R	5309(A,177 ,48)	CARBON FILM RESISTOR	RD1/2VM473J
R	5310(B,171 ,64)		RS1/16S151J
R	5311(B,173 ,63)		RN1/16SE1201D
R	5312(B,202 ,52)		RS1/16S221J
R	5313(B,183 ,97)	CHIP RESISTOR	RS1/16S62R0F
R	5321(B,190 ,93)		RS1/16S101J
R	5322(B,176 ,93)		RS1/16S101J
⚠R	5323(A,163 ,72)	CARBON FILM RESISTOR	RD1/4MUF4R7J
⚠R	5324(A,198 ,83)	CARBON FILM RESISTOR	RD1/4MUF4R7J
⚠R	5325(B,203 ,90)	CHIP RESISTOR	ACN7132
⚠R	5326(B,166 ,91)	CHIP RESISTOR	ACN7132
⚠R	5327(A,174 ,80)	RESISTOR (0.18, 5W)	ACN7121
R	5329(B,179 ,45)		RN1/10SE3302D
R	5330(B,183 ,46)		RN1/16SE1001D
R	5331(B,183 ,43)		RN1/16SE1500D
R	5332(B,203 ,49)		RS1/16S151J
R	5341(B,153 ,77)		RS1/16S473J

Mark	No.	Description	Part No.
	R 5342(B,151 ,77)		RS1/16S223J
	R 5343(B,153 ,73)		RS1/16S471J
	R 5344(B,151 ,73)		RS1/16S471J
	R 5345(B,152 ,60)		RS1/16S472J
	R 5346(B,150 ,60)		RS1/16S472J
	R 5347(B,147 ,58)		RS1/16S122J
	R 5348(B,151 ,55)		RS1/16S154J
	R 5349(B,151 ,57)		RS1/16S103J
	R 5350(B,156 ,46)		RS1/16S103J
	R 5401(B,138 ,43)		RS1/16S102J
	R 5402(B,126 ,42)		RS1/16S221J
	R 5403(B,123 ,41)		RS1/16S333J
	R 5404(B,138 ,40)		RS1/16S103J
	R 5405(B,134 ,55)		RS1/16S152J
	R 5406(B,134 ,52)		RS1/16S821J
	R 5407(B,109 ,48)		RS1/16S2001F
	R 5408(B,120 ,52)		RS1/16S682J
	R 5409(A,117 ,48)	CARBON FILM RESISTOR	RD1/2VM473J
	R 5410(B,114 ,65)		RS1/16S151J
	R 5411(B,116 ,64)		RN1/16SE1201D
	R 5412(B,141 ,52)		RS1/16S221J
	R 5413(B,115 ,97)	CHIP RESISTOR	RS1/16S62R0F
	R 5421(B,128 ,93)		RS1/16S101J
	R 5422(B,108 ,93)		RS1/16S101J
⚠	R 5423(A,111 ,75)	CARBON FILM RESISTOR	RD1/4MUF4R7J
⚠	R 5424(A,142 ,83)	CARBON FILM RESISTOR	RD1/4MUF4R7J
⚠	R 5425(B,135 ,91)	CHIP RESISTOR	ACN7132
⚠	R 5426(B,96 ,91)	CHIP RESISTOR	ACN7132
⚠	R 5427(A,118 ,80)	RESISTOR (0.18, 5W)	ACN7121
	R 5429(B,114 ,44)		RN1/10SE3302D
	R 5430(B,118 ,45)		RN1/16SE1001D
	R 5431(B,118 ,43)		RN1/16SE1500D
	R 5432(B,143 ,49)		RS1/16S151J
	R 5441(B,99 ,85)		RS1/16S473J
	R 5442(B,97 ,85)		RS1/16S223J
	R 5443(B,101 ,85)		RS1/16S471J
	R 5444(B,95 ,85)		RS1/16S471J
	R 5445(B,91 ,52)		RS1/16S472J
	R 5446(B,91 ,50)		RS1/16S472J
	R 5447(B,90 ,46)		RS1/16S122J
	R 5448(B,94 ,51)		RS1/16S154J
	R 5449(B,96 ,51)		RS1/16S103J
	R 5450(B,98 ,46)		RS1/16S103J
	R 5501(B,292 ,43)		RS1/16S102J
	R 5502(B,280 ,42)		RS1/16S221J
	R 5503(B,276 ,41)		RS1/16S333J
	R 5504(B,292 ,40)		RS1/16S103J
	R 5505(B,283 ,55)		RS1/16S152J
	R 5506(B,283 ,52)		RS1/16S821J
	R 5507(B,258 ,48)		RS1/16S2001F
	R 5508(B,269 ,52)		RS1/16S682J
	R 5509(A,266 ,48)	CARBON FILM RESISTOR	RD1/2VM473J
	R 5510(B,255 ,63)		RS1/16S151J
	R 5511(B,257 ,63)		RN1/16SE1201D
	R 5512(B,290 ,52)		RS1/16S221J
	R 5513(B,259 ,97)	CHIP RESISTOR	RS1/16S62R0F
	R 5521(B,270 ,94)		RS1/16S101J
	R 5522(B,251 ,93)		RS1/16S101J
⚠	R 5523(A,247 ,69)	CARBON FILM RESISTOR	RD1/4MUF4R7J
⚠	R 5524(A,283 ,82)	CARBON FILM RESISTOR	RD1/4MUF4R7J

Mark	No.	Description	Part No.
⚠	R 5525(B,277 ,91)	CHIP RESISTOR	ACN7132
⚠	R 5526(B,238 ,91)	CHIP RESISTOR	ACN7132
⚠	R 5527(A,258 ,80)	RESISTOR (0.18, 5W)	ACN7121
	R 5529(B,268 ,45)		RN1/10SE3302D
	R 5530(B,272 ,46)		RN1/16SE1001D
	R 5531(B,272 ,43)		RN1/16SE1500D
	R 5532(B,292 ,49)		RS1/16S151J
	R 5541(B,241 ,77)		RS1/16S473J
	R 5542(B,235 ,77)		RS1/16S223J
	R 5543(B,239 ,77)		RS1/16S471J
	R 5544(B,237 ,77)		RS1/16S471J
	R 5545(B,240 ,64)		RS1/16S472J
	R 5546(B,238 ,64)		RS1/16S472J
	R 5547(B,238 ,57)		RS1/16S122J
	R 5548(B,235 ,68)		RS1/16S154J
	R 5549(B,235 ,64)		RS1/16S103J
	R 5550(B,245 ,45)		RS1/16S103J
	R 5571(B,228 ,38)		RS1/16S472J
⚠	R 5592(B,301 ,91)	CHIP RESISTOR	ACN7132
	R 5622(B,308 ,96)		RS1/16S101J

CAPACITORS

Mark	No.	Description	Part No.
	C 5301(A,194 ,43)		CEAT4R7M50
	C 5302(B,187 ,43)		CCSRCH221J50
	C 5304(B,198 ,55)		CKSRYB102K50
	C 5307(A,164 ,52)		CEAT101M10
	C 5308(B,198 ,52)	CAPACITOR(CERAMIC)	ACG7057
	C 5309(A,181 ,58)	ELECT. CAPACITOR	CEAT100M2A
	C 5311(B,197 ,104)	CAPACITOR(CERAMIC)	ACG7056
	C 5312(B,170 ,104)	CAPACITOR(CERAMIC)	ACG7056
	C 5315(B,179 ,43)		CCSRCH220J50
	C 5316(B,174 ,43)		CCSRCH220J50
	C 5317(A,179 ,39)		CEAT331M10
	C 5323(A,160 ,63)		CEAT100M63
	C 5324(A,191 ,61)		CEAT100M63
	C 5332(B,204 ,52)		CKSRYB224K16
	C 5341(A,147 ,62)		CEANP2R2M50
	C 5351(A,228 ,68)	ELECT. CAPACITOR	CEAT100M2A
	C 5352(A,224 ,62)	ELECT. CAPACITOR	CEAT100M2A
	C 5401(A,129 ,43)		CEAT4R7M50
	C 5402(B,123 ,43)		CCSRCH221J50
	C 5404(B,138 ,55)		CKSRYB102K50
	C 5407(A,105 ,52)		CEAT101M10
	C 5408(B,138 ,52)	CAPACITOR(CERAMIC)	ACG7057
	C 5409(A,125 ,59)	ELECT. CAPACITOR	CEAT100M2A
	C 5411(B,130 ,104)	CAPACITOR(CERAMIC)	ACG7056
	C 5412(B,101 ,104)	CAPACITOR(CERAMIC)	ACG7056
	C 5415(B,114 ,42)		CCSRCH220J50
	C 5416(B,109 ,43)		CCSRCH220J50
	C 5417(A,114 ,39)		CEAT331M10
	C 5423(A,107 ,61)		CEAT100M63
	C 5424(A,135 ,61)		CEAT100M63
	C 5432(B,143 ,52)		CKSRYB224K16
	C 5441(A,87 ,45)		CEANP2R2M50
	C 5501(A,283 ,43)		CEAT4R7M50
	C 5502(B,276 ,43)		CCSRCH221J50
	C 5504(B,287 ,55)		CKSRYB102K50
	C 5507(A,253 ,52)		CEAT101M10
	C 5508(B,287 ,52)	CAPACITOR(CERAMIC)	ACG7057
	C 5509(A,265 ,58)	ELECT. CAPACITOR	CEAT100M2A

Mark	No.	Description	Part No.
C	5511(B,272 ,104)	CAPACITOR(CERAMIC)	ACG7056
C	5512(B,245 ,104)	CAPACITOR(CERAMIC)	ACG7056
C	5515(B,268 ,43)		CCSRCH220J50
C	5516(B,263 ,43)		CCSRCH220J50
C	5517(A,268 ,39)		CEAT331M10
C	5523(A,244 ,59)		CEAT100M63
C	5524(A,280 ,61)		CEAT100M63
C	5532(B,293 ,52)		CKSRYB224K16
C	5541(A,238 ,54)		CEANP2R2M50
C	5571(A,231 ,35)		CEAT331M10
C	5612(B,307 ,104)	CAPACITOR(CERAMIC)	ACG7056

S LOCAL SUPPLY ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
⚠IC	6101(A,149 ,69)	IC	NJM78M05FA
⚠IC	6102(A,149 ,19)	REGULATOR IC	NJM78M56FA
⚠IC	6103(A,11 ,64)	REGULATOR IC	NJM78M12FA
⚠IC	6104(A,11 ,39)	REGULATOR IC	NJM78M12FA
⚠IC	6105(A,149 ,44)	IC	NJM79M05FA
⚠IC	6106(A,11 ,14)	REGULATOR IC	NJM79M12FA
⚠D	6101(A,111 ,50)	DIODE	D3SBA20(B)
⚠D	6102(B,65 ,61)	DIODE	1SR154-400
⚠D	6103(B,56 ,61)	DIODE	1SR154-400
⚠D	6104(B,61 ,61)	DIODE	1SR154-400
D	6105(B,86 ,72)	DIODE	UDZS6R2(B)
D	6106(B,88 ,77)	DIODE	UDZS6R2(B)
D	6107(B,85 ,77)	DIODE	UDZS6R2(B)
D	6108(B,94 ,80)	DIODE	UDZS6R2(B)
D	6109(B,88 ,90)	DIODE	UDZS6R2(B)
D	6111(B,140 ,68)	CHIP DIODE	RB501V-40
D	6115(B,26 ,71)	CHIP DIODE	RB501V-40
D	6121(B,141 ,10)	CHIP DIODE	RB501V-40
⚠D	6122(B,59 ,39)	DIODE	1SR154-400
⚠D	6123(B,63 ,39)	DIODE	1SR154-400
D	6124(B,142 ,39)	CHIP DIODE	RB501V-40
D	6125(B,149 ,50)	DIODE	1SS355
D	6126(B,18 ,43)	CHIP DIODE	RB501V-40
⚠D	6127(B,63 ,26)	DIODE	1SR154-400
⚠D	6128(B,59 ,26)	DIODE	1SR154-400
D	6129(B,18 ,16)	CHIP DIODE	RB501V-40
J	6104(A,70 ,95)	CONNECTOR ASSY	PF05PG-Q20
	CN6101(A,112 ,73)	CONNECTOR	B12B-PH
	CN6103(A,91 ,93)	6P JUMPER CONNECTOR	52147-0610
	CN6105(A,60 ,8)	CONNECTOR	B8B-PH
	CN6106(A,87 ,8)	CONNECTOR	B11B-PH
	6102(A,121 ,83)	4P CABLE HOLDER	51048-0400

RESISTORS

Mark	No.	Description	Part No.
R	6101(B,75 ,71)		RS1/16S473J
⚠R	6103(A,76 ,77)	CARBON FILM RESISTOR	RD1/4MUF391J
⚠R	6107(A,97 ,60)	CARBON FILM RESISTOR	RD1/4MUF4R7J

CAPACITORS

Mark	No.	Description	Part No.
C	6101(A,120 ,76)	FILM CAPACITOR	CQMBA104J50
C	6103(B,95 ,89)		CKSRYB103K50
C	6105(B,146 ,72)		CKSRYB103K50
C	6107(A,110 ,61)	FILM CAPACITOR	CQMBA104J50
C	6110(B,145 ,22)		CKSRYB103K50
C	6111(B,142 ,46)		CKSRYB103K50
C	6112(B,14 ,63)		CKSRYB103K50
C	6115(B,15 ,37)		CKSRYB103K50
C	6116(B,14 ,11)		CKSRYB103K50
C	6117(A,68 ,52)	ELECT. CAPACITOR	CEANP101M35
C	6122(A,60 ,70)	ELECT. CAPACITOR	CEAT101M35
C	6123(A,71 ,70)		CEAT221M35
C	6124(A,91 ,72)		CEAT470M50
C	6125(A,84 ,89)		CEAT101M16
C	6127(A,112 ,37)	ELECT. CAPACITOR	CEAT682M16
C	6129(A,144 ,58)		CEAT221M16
C	6130(A,141 ,19)		CEAT101M16
C	6131(A,94 ,37)	ELECT. CAPACITOR	CEAT222M16
C	6132(A,48 ,51)	ELECT. CAPACITOR	CEAT222M25
C	6133(A,144 ,31)		CEAT101M16
C	6134(A,16 ,68)		CEAT100M50
C	6135(A,18 ,52)		CEAT221M25
C	6136(A,48 ,34)	ELECT. CAPACITOR	CEAT222M25
C	6137(A,18 ,27)		CEAT221M25

T DC/DC ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
⚠IC	4271(A,112 ,80)	REGULATOR IC	PQ1CG3032FZ
⚠D	4271(A,68 ,85)	DIODE	D3SBA20(B)
⚠D	4272(B,124 ,77)	DIODE	RB051L-40
L	4271(A,133 ,58)	INDUCTOR	ATH7020
	CN4271(A,60 ,54)	4PJUMPER CONNECTOR	52151-0410
	CN4272(A,107 ,50)	3PIN CONNECTOR	S3B-EH
	4273(A,62 ,68)	PCB BINDER	VEF1040

RESISTORS

Mark	No.	Description	Part No.
⚠R	4271(A,67 ,58)	CARBON FILM RESISTOR	RD1/4MUF4R7J
R	4272(B,110 ,76)		RN1/16SE1001D
R	4273(B,106 ,76)		RN1/16SE3001D
R	4274(B,104 ,76)		RS1/16S101J

CAPACITORS

Mark	No.	Description	Part No.
C	4271(A,67 ,53)	FILM CAPACITOR	CQMBA104J50
C	4272(A,92 ,66)	ELECT. CAPACITOR	CEAT103M16
C	4273(A,118 ,53)	ELECT. CAPACITOR	CEHAZL102M6R3
C	4274(A,109 ,67)	ELECT. CAPACITOR	CEHAZL102M16

U TRANS2-1 ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
⚠IC	4201(A,111 ,106)	PROTECTOR(7A)	AEK7021
⚠IC	4202(A,95 ,152)	PROTECTOR(7A)	AEK7021
Q	4201(B,90 ,97)	CHIP TRANSISTOR	RN1901
Q	4202(B,81 ,97)	TRANSISTOR	UMD2N
Q	4203(B,73 ,97)	TRANSISTOR	UMD2N
⚠D	4201(B,100 ,140)	BRIDGE DIODE	S1WB(A)60SD
D	4203(B,98 ,105)	DIODE	UDZS10(B)
D	4204(B,71 ,105)	DIODE	UDZS9R1(B)
D	4205(B,100 ,105)	DIODE	UDZS9R1(B)
D	4206(B,71 ,102)	DIODE	UDZS8R2(B)
D	4207(B,100 ,99)	DIODE	UDZS9R1(B)
D	4208(B,76 ,104)	DIODE	UDZS8R2(B)
D	4209(B,96 ,99)	DIODE	UDZS6R8(B)
D	4210(B,76 ,101)	DIODE	UDZS6R8(B)
D	4211(B,94 ,102)	DIODE	UDZS13(B)
D	4212(B,81 ,101)	DIODE	UDZS15(B)
D	4213(B,96 ,104)	DIODE	UDZS12(B)
D	4214(B,81 ,104)	DIODE	UDZS12(B)

Mark	No.	Description	Part No.
	D 4215(B,77 ,95)	DIODE	UDZS13(B)
	D 4216(B,68 ,94)	DIODE	UDZS13(B)
	J 4201	JUMPER WIRE	D20PDY0610E
	4201(A,73 ,128)	6P CABLE HOLDER	51048-0600

RESISTORS

Mark	No.	Description	Part No.
⚠	R 4201(A,106 ,118)	CARBON FILM RESISTOR	RD1/4MUF100J
	R 4203(A,95 ,93)	CARBON FILM RESISTOR	RD1/4MUF470J
⚠	R 4205(A,85 ,129)	METAL OXIDE RESISTOR	RS1LMF472J
⚠	R 4206(A,71 ,109)	METAL OXIDE RESISTOR	RS1LMF472J
⚠	R 4207(A,88 ,126)	CARBON FILM RESISTOR	RD1/2LMF332J
⚠	R 4208(A,75 ,106)	CARBON FILM RESISTOR	RD1/2LMF332J

CAPACITORS

Mark	No.	Description	Part No.
	C 4201(A,106 ,112)	FILM CAPACITOR	CFTLA104J2A
	C 4202(A,110 ,156)	FILM CAPACITOR	CFTLA104J2A
	C 4203(A,106 ,100)	PPS CAPACITOR	CQHA102J2A
	C 4204(A,106 ,94)	PPS CAPACITOR	CQHA102J2A
	C 4205(A,91 ,136)	ELECT. CAPACITOR	CEAT471M2A
	C 4206(A,81 ,149)	ELECT. CAPACITOR	CEAT471M2A
	C 4207(A,94 ,119)	ELECT. CAPACITOR	CEAT101M63
	C 4208(A,94 ,108)	ELECT. CAPACITOR	CEAT101M63
	C 4209(A,65 ,132)	ELECT. CAPACITOR	CEAT221M2A
	C 4210(A,72 ,120)	ELECT. CAPACITOR	CEAT221M2A

V VH TR ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
⚠	IC 4261	IC PROTECTOR	ICP-N15
⚠	IC 4262	IC PROTECTOR	ICP-N15
⚠	Q 4261(A,36 ,31)	TRANSISTOR	2SD1763A
⚠	Q 4262(A,21 ,31)	TRANSISTOR	2SB1186A
	Q 4263(B,30 ,20)	CHIP TRANSISTOR	2SC3906K
	Q 4264(B,15 ,20)	CHIP TRANSISTOR	2SA1514K
⚠	D 4261(B,42 ,16)	DIODE	1SR154-400
⚠	D 4262(B,26 ,19)	DIODE	1SR154-400
	CN4261(A,23 ,9)	6P JUMPER CONNECTOR	52147-0610

RESISTORS

Mark	No.	Description	Part No.
	R 4261(B,29 ,24)		RS1/16S100J
	R 4262(B,14 ,24)		RS1/16S100J
	R 4263(B,30 ,15)		RS1/16S471J
	R 4264(B,14 ,13)		RS1/16S471J

W DIODE ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
⚠	D 4251(A,189 ,128)	DIODE	D5SBA20(B)
⚠	D 4252(A,154 ,128)	DIODE	D5SBA20(B)

X SP/PS ASSY (VSX-74TXVi)

MISCELLANEOUS

Mark	No.	Description	Part No.
	Q 4001(B,150 ,72)	CHIP TRANSISTOR	DTC114TUA
	Q 4002(B,229 ,97)	CHIP TRANSISTOR	DTC114TUA
	Q 4003(B,247 ,90)	CHIP TRANSISTOR	DTC114TUA
	Q 4004(B,290 ,84)	CHIP TRANSISTOR	DTC114TUA
	Q 4005(B,212 ,99)	CHIP TRANSISTOR	DTC114TUA
	D 4001(B,168 ,80)	DIODE	1SS355
	D 4002(B,165 ,80)	DIODE	1SS355
	D 4003(B,216 ,88)	DIODE	1SS355
	D 4004(B,213 ,88)	DIODE	1SS355
	D 4005(B,247 ,82)	DIODE	1SS355
	D 4006(B,244 ,82)	DIODE	1SS355
	D 4007(B,291 ,79)	DIODE	1SS355
	D 4008(B,289 ,79)	DIODE	1SS355
	D 4009(B,217 ,99)	DIODE	1SS355
	D 4010(B,215 ,99)	DIODE	1SS355
	L 4011(A,188 ,78)	COIL	ATH1053
	L 4021(A,149 ,68)	COIL	ATH1053
	L 4031(A,199 ,83)	COIL	ATH1053
	L 4041(A,258 ,82)	COIL	ATH1053
	L 4051(A,236 ,90)	COIL	ATH1053
	L 4061(A,299 ,81)	COIL	ATH1053
	L 4071(A,280 ,84)	COIL	ATH1053
	J 4009(A,147 ,76)	CONNECTOR ASS'Y	PF13PG-R12
	RY4001(A,163 ,81)	RELAY	XSR3002
	RY4002(A,211 ,89)	RELAY	XSR3002
	RY4003(A,242 ,83)	RELAY	XSR3002
	RY4004(A,286 ,82)	RELAY	XSR3002
	RY4005(A,219 ,103)	RELAY	XSR3002
	CN4001(A,185 ,33)	SPEAKER TERMINAL 6-P	AKE7075
	CN4002(A,248 ,33)	SPEAKER TERMINAL 8-P	AKE7074
	CN4007(A,313 ,90)	5P PLUG	KM200TA5
	CN4008(A,313 ,152)	9P PLUG	KM200TA9
	Y 13	AWG14 BOARD IN	ADX7461

RESISTORS

Mark	No.	Description	Part No.
⚠	R 4011(A,187 ,68)	METAL OXIDE RESISTOR	RS1/2LMF4R7J
⚠	R 4012(A,175 ,64)	METAL OXIDE RESISTOR	RS1LMF100J
⚠	R 4013(A,193 ,94)	METAL OXIDE RESISTOR	RS2LMF331J
⚠	R 4021(A,158 ,70)	METAL OXIDE RESISTOR	RS1/2LMF4R7J
⚠	R 4022(A,145 ,58)	METAL OXIDE RESISTOR	RS1LMF100J
⚠	R 4023(A,188 ,97)	METAL OXIDE RESISTOR	RS2LMF331J
⚠	R 4031(A,196 ,87)	METAL OXIDE RESISTOR	RS1/2LMF4R7J
⚠	R 4032(A,194 ,67)	METAL OXIDE RESISTOR	RS1LMF100J
⚠	R 4041(A,254 ,82)	METAL OXIDE RESISTOR	RS1/2LMF4R7J
⚠	R 4042(A,267 ,67)	METAL OXIDE RESISTOR	RS1LMF100J
⚠	R 4051(A,240 ,93)	METAL OXIDE RESISTOR	RS1/2LMF4R7J
⚠	R 4052(A,228 ,67)	METAL OXIDE RESISTOR	RS1LMF100J
⚠	R 4061(A,309 ,79)	METAL OXIDE RESISTOR	RS1/2LMF4R7J
⚠	R 4062(A,313 ,73)	METAL OXIDE RESISTOR	RS1LMF100J
⚠	R 4071(A,280 ,88)	METAL OXIDE RESISTOR	RS1/2LMF4R7J
⚠	R 4072(A,268 ,94)	METAL OXIDE RESISTOR	RS1LMF100J
	R 4101(A,222 ,115)	CARBON FILM RESISTOR	RD1/4MUF473J
	R 4102(A,252 ,115)	CARBON FILM RESISTOR	RD1/4MUF473J

CAPACITORS

Mark	No.	Description	Part No.
	C 4001(A,162 ,88)		CEAT101M50
	C 4011(A,182 ,60)		CFTLA104J50
	C 4012(A,178 ,57)		CFTLA104J50
	C 4021(A,145 ,48)		CFTLA104J50
	C 4022(A,145 ,39)		CFTLA104J50
	C 4031(A,197 ,63)		CFTLA104J50
	C 4032(A,192 ,57)		CFTLA104J50
	C 4041(A,257 ,63)		CFTLA104J50
	C 4042(A,257 ,54)		CFTLA104J50
	C 4051(A,224 ,61)		CFTLA104J50
	C 4052(A,228 ,55)		CFTLA104J50
	C 4061(A,304 ,61)		CFTLA104J50
	C 4062(A,304 ,54)		CFTLA104J50
	C 4071(A,270 ,65)		CFTLA104J50
	C 4072(A,272 ,59)		CFTLA104J50

Mark	No.	Description	Part No.
C	4101(A,212 ,137)	ELECTR.CAPACITOR	ACH7218
C	4102(A,258 ,137)	ELECTR.CAPACITOR	ACH7218

Y TRANS2-2 ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
H	3151(A,173 ,78)	FUSE CLIP	AKR7001
H	3152(A,151 ,78)	FUSE CLIP	AKR7001
H	3153(A,174 ,67)	FUSE CLIP	AKR7001
H	3154(A,152 ,67)	FUSE CLIP	AKR7001
H	3155(A,173 ,56)	FUSE CLIP	AKR7001
H	3156(A,151 ,56)	FUSE CLIP	AKR7001
H	3157(A,173 ,43)	FUSE CLIP	AKR7001
H	3158(A,151 ,43)	FUSE CLIP	AKR7001
H	3159(A,173 ,32)	FUSE CLIP	AKR7001
H	3160(A,151 ,32)	FUSE CLIP	AKR7001
J	3001(A,138 ,39)	CONNECTOR ASS'Y	PF12PG-R40

Z TRANS1 ASSY

TRANS1 ASSY has no service parts.

AA PRIMARY ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
⚠IC	3061(A,299 ,119)	REGULATOR IC	NJM78M56FA
Q	3061(B,281 ,82)	DIGITAL TR(SC-70)	RT1N431M
⚠D	3061(B,296 ,103)	BRIDGE DIODE	S1WB(A)60SD
D	3062(B,299 ,89)	DIODE	1SS355
D	3063(B,308 ,89)	DIODE	UDZS5R1(B)
D	3064(B,275 ,89)	DIODE	1SS355
D	3065(B,275 ,82)	DIODE	1SS355
⚠L	3063(A,244 ,46)	LINE FILTER	XTF3004
H	3061(A,223 ,68)	FUSE CLIP	AKR7001
H	3062(A,243 ,68)	FUSE CLIP	AKR7001
KN	3061(A,313 ,32)	WRAPPING TERMINAL	VNF1084
⚠RY	3061(A,271 ,80)	POWER RELAY	ASR7022
⚠T	3061(A,273 ,106)	STANDBY TRANSFORMER	ATT7043
⚠CN	3061(A,228 ,44)	AC CODE SOCKET	RKP1751
CN	3062(A,308 ,137)	9P SOCKET	KP200TA9L
CN	3063(A,246 ,137)	5P SOCKET	KP200TA5L
⚠	3064(A,189 ,77)	AC SOCKET 1-P	AKP1033

RESISTORS

Mark	No.	Description	Part No.
⚠R	3061(A,302 ,29)	RESISTOR(2.2M, 1/2W)	RCN1080
R	3062(B,303 ,89)		RS1/16S332J
R	3063(A,279 ,95)	CARBON FILM RESISTOR	RD1/4MUF220J
R	3064(B,305 ,89)		RS1/16S103J

CAPACITORS

Mark	No.	Description	Part No.
⚠C	3061(A,266 ,47)	FILM CAPACITOR	ACE7013
⚠C	3062(A,251 ,74)		ACG7039
C	3063(A,286 ,132)	FILM CAPACITOR	CQMBA103J50
C	3064(B,291 ,115)		CKSRYB102K50
C	3065(B,289 ,115)		CKSRYB102K50
C	3066(B,294 ,110)		CKSRYB102K50
C	3067(B,308 ,96)		CKSRYB102K50
C	3068(A,305 ,105)	ELECT. CAPACITOR	CEAT332M25
C	3069(A,317 ,134)		CEAT221M25
C	3071(B,311 ,99)		CKSRYB103K50

AB VOLUME ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
S	3571(A,295 ,167)	ROTARY ENCODER	ASX7005
S	3572(A,273 ,199)	SWITCH	VSG1024
S	3573(A,293 ,199)	SWITCH	VSG1024
S	3574(A,312 ,199)	SWITCH	VSG1024
	3571(A,266 ,185)	CABLE HOLDER(6P)	51063-0605

RESISTORS

Mark	No.	Description	Part No.
R	3574(B,285 ,200)		RS1/16S681J
R	3575(B,302 ,200)		RS1/16S821J

CAPACITORS

Mark	No.	Description	Part No.
C	3572(B,300 ,172)		CKSRYB103K50
C	3573(B,295 ,172)		CKSRYB103K50

AC DISPLAY ASSY (VSX-74TXVi)

MISCELLANEOUS

Mark	No.	Description	Part No.
IC	3201(B,131 ,214)	DISPLAY U-COM	PE5503A
IC	3202(A,17 ,221)	REMOTE RECEIVER UNIT	RPM7140-H9
IC	3203(B,171 ,168)	LOGIC IC	CD4053BNS
Q	3304(B,110 ,190)	DIGITAL TR(SC-70)	RT1N431M
Q	3305(B,219 ,208)	DIGITAL TR(SC-70)	RT1N431M
Q	3307(B,31 ,203)	DIGITAL TR(SC-70)	RT1N431M
Q	3308(B,16 ,201)	DIGITAL TR(SC-70)	RT1N431M
Q	3310(B,204 ,208)	DIGITAL TR(SC-70)	RT1N431M
Q	3351(B,205 ,189)	DIGITAL TR(SC-70)	RT1N431M
Q	3352(B,189 ,159)	DIGITAL TR(SC-70)	RT1N431M
Q	3353(B,200 ,160)	TRANSISTOR	2SA1576A
Q	3354(B,150 ,160)	CHIP TR (PNP X 2)	UMB1N
Q	3355(B,176 ,159)	TRANSISTOR	UMH1N
D	3314(A,121 ,195)	LED(BLUE)	SLR-343BBT(HJKL)
D	3315(A,224 ,208)	LED(BLUE)	SLR-343BBT(HJKL)
D	3317(A,31 ,208)	LED(ORANGE)	SLI-343DCW(STU)
D	3318(A,16 ,206)	LED(RED)	SLI-343URW(RST)
D	3320(A,208 ,206)	LED(RED)	SLI-343URW(RST)
D	3352(B,180 ,172)	DIODE	DAN217
D	3354(B,190 ,164)	DIODE	DAN202U
D	3355(B,232 ,212)	DIODE	DAN202U
D	3356(B,181 ,166)	DIODE	1SS355
D	3358(B,192 ,159)	DIODE	1SS355
D	3359(B,202 ,165)	DIODE	1SS355
L	3301(B,232 ,227)	CHIP BEADS	VTL1083
L	3351(A,234 ,218)	RADIAL INDUCTOR	LFEA2R2J
V	3201(A,182 ,237)	FL TUBE	AAV7105
S	3201(A,72 ,150)	SWITCH	VSG1024
S	3202(A,82 ,140)	SWITCH	VSG1024
S	3203(A,72 ,140)	SWITCH	VSG1024
S	3204(A,62 ,140)	SWITCH	VSG1024
S	3211(A,103 ,149)	SWITCH	VSG1024
S	3212(A,103 ,130)	SWITCH	VSG1024
S	3213(A,72 ,130)	SWITCH	VSG1024
S	3214(A,41 ,130)	SWITCH	VSG1024
S	3215(A,41 ,149)	SWITCH	VSG1024
S	3216(A,26 ,149)	SWITCH	VSG1024
S	3221(A,119 ,149)	SWITCH	VSG1024
S	3222(A,134 ,149)	SWITCH	VSG1024
S	3223(A,150 ,149)	SWITCH	VSG1024
S	3224(A,165 ,149)	SWITCH	VSG1024

Mark	No.	Description	Part No.
S	3225(A,181 ,149)	SWITCH	VSG1024
S	3226(A,196 ,149)	SWITCH	VSG1024
S	3227(A,212 ,149)	SWITCH	VSG1024
X	3201(A,148 ,197)	CERAMIC RESONATOR (6.60MHz)	VSS1142
	CN3201(A,212 ,161)	23P CONNECTOR	52044-2345
	CN3204(A,238 ,209)	CABLE HOLDER(6P)	51063-0605
	CN3203(A,7 ,165)	CABLE HOLDER(8P)	51063-0805
	CN3202(A,239 ,228)	6P CABLE HOLDER	51048-0600
	CN3201(A,113 ,110)	FL HOLDER(FE)	VNF1096
	CN3201(A,121 ,201)	FL HOLDER(FE)	VNF1096

RESISTORS

Mark	No.	Description	Part No.
R	3201(B,77 ,159)		RS1/16S472J
R	3202(B,82 ,144)		RS1/16S681J
R	3203(B,78 ,144)		RS1/16S821J
R	3204(B,70 ,144)		RS1/16S122J
R	3205(B,57 ,141)		RS1/16S162J
R	3211(B,108 ,158)		RS1/16S472J
R	3212(B,103 ,140)		RS1/16S681J
R	3213(B,90 ,130)		RS1/16S821J
R	3214(B,60 ,130)		RS1/16S122J
R	3215(B,41 ,139)		RS1/16S162J
R	3216(B,36 ,149)		RS1/16S272J
R	3217(B,26 ,154)		RS1/16S512J
R	3221(B,119 ,158)		RS1/16S472J
R	3222(B,129 ,149)		RS1/16S681J
R	3223(B,137 ,150)		RS1/16S821J
R	3224(B,146 ,150)		RS1/16S122J
R	3225(B,176 ,149)		RS1/16S162J
R	3226(B,192 ,149)		RS1/16S272J
R	3227(B,207 ,153)		RS1/16S512J
R	3231(B,174 ,240)		RS1/16S473J
R	3232(B,172 ,240)		RS1/16S473J
R	3233(B,170 ,240)		RS1/16S473J
R	3234(B,168 ,240)		RS1/16S473J
R	3235(B,166 ,240)		RS1/16S473J
R	3236(B,164 ,240)		RS1/16S473J
R	3237(B,162 ,240)		RS1/16S473J
R	3238(B,160 ,240)		RS1/16S473J
R	3239(B,158 ,240)		RS1/16S473J
R	3240(B,156 ,240)		RS1/16S473J
R	3241(B,154 ,240)		RS1/16S473J
R	3242(B,152 ,240)		RS1/16S473J
R	3243(B,150 ,240)		RS1/16S473J
R	3244(B,148 ,240)		RS1/16S473J
R	3245(B,146 ,240)		RS1/16S473J
R	3246(B,144 ,240)		RS1/16S473J
R	3247(B,68 ,240)		RS1/16S104J
R	3248(B,70 ,240)		RS1/16S104J
R	3249(B,72 ,240)		RS1/16S104J
R	3250(B,74 ,240)		RS1/16S104J
R	3251(B,76 ,240)		RS1/16S104J
R	3252(B,78 ,240)		RS1/16S104J
R	3253(B,80 ,240)		RS1/16S104J
R	3254(B,82 ,240)		RS1/16S104J
R	3255(B,84 ,240)		RS1/16S104J
R	3256(B,86 ,240)		RS1/16S104J
R	3257(B,88 ,240)		RS1/16S104J
R	3258(B,90 ,240)		RS1/16S104J
R	3259(B,92 ,240)		RS1/16S104J
R	3260(B,94 ,240)		RS1/16S104J
R	3261(B,96 ,240)		RS1/16S104J
R	3262(B,98 ,240)		RS1/16S104J
R	3263(B,100 ,240)		RS1/16S104J
R	3264(B,102 ,240)		RS1/16S104J
R	3265(B,104 ,240)		RS1/16S104J
R	3266(B,106 ,240)		RS1/16S104J
R	3267(B,108 ,240)		RS1/16S104J
R	3268(B,110 ,240)		RS1/16S104J
R	3269(B,112 ,240)		RS1/16S104J
R	3270(B,114 ,240)		RS1/16S104J
R	3271(B,116 ,240)		RS1/16S104J
R	3272(B,118 ,240)		RS1/16S104J
R	3273(B,120 ,240)		RS1/16S104J
R	3274(B,122 ,240)		RS1/16S104J
R	3275(B,124 ,240)		RS1/16S104J
R	3276(B,126 ,240)		RS1/16S104J
R	3277(B,128 ,240)		RS1/16S104J
R	3278(B,130 ,240)		RS1/16S104J
R	3279(B,132 ,240)		RS1/16S104J
R	3280(B,134 ,240)		RS1/16S104J
R	3281(B,136 ,240)		RS1/16S104J
R	3282(B,138 ,240)		RS1/16S104J
R	3283(B,140 ,240)		RS1/16S104J
R	3304(B,117 ,192)		RS1/16S221J
R	3305(B,229 ,202)		RS1/16S391J
R	3307(B,34 ,203)		RS1/16S331J
R	3308(B,19 ,201)		RS1/16S331J
R	3310(B,216 ,200)		RS1/16S331J
R	3314(B,110 ,181)		RS1/16S0R0J
R	3321(B,167 ,206)		RS1/16S473J
R	3322(B,169 ,206)		RS1/16S473J
R	3323(B,168 ,211)		RS1/16S473J
R	3324(B,166 ,211)		RS1/16S473J
R	3325(B,149 ,206)		RS1/16S105J
R	3327(B,146 ,204)		RS1/16S104J
R	3328(B,131 ,193)		RS1/16S472J
R	3329(B,144 ,204)		RS1/16S0R0J
R	3330(B,153 ,190)		RS1/16S221J
R	3331(B,151 ,190)		RS1/16S221J
R	3332(B,150 ,187)		RS1/16S221J
R	3333(B,148 ,187)		RS1/16S221J
R	3334(B,128 ,193)		RS1/16S104J
R	3336(B,109 ,197)		RS1/16S473J
R	3337(B,90 ,206)		RS1/16S101J
R	3338(B,102 ,202)		RS1/16S104J
R	3339(B,96 ,211)		RS1/16S104J
R	3341(B,104 ,206)		RS1/16S474J
R	3343(B,104 ,202)		RS1/16S0R0J
R	3344(B,122 ,180)		RS1/16S221J
R	3345(B,94 ,211)		RS1/16S474J
R	3346(B,117 ,181)		RS1/16S221J
R	3347(B,93 ,198)		RS1/16S221J
R	3350(B,215 ,191)		RS1/16S0R0J
R	3351(B,193 ,211)		RS1/16S473J
R	3352(B,179 ,167)		RS1/16S223J
R	3353(B,185 ,167)		RS1/16S103J
R	3354(B,159 ,163)		RS1/16S392J
R	3355(B,205 ,184)		RS1/16S0R0J
R	3356(B,203 ,184)		RS1/16S0R0J

Mark	No.	Description	Part No.
R	3357(B,201 ,184)		RS1/16S0R0J
R	3358(B,199 ,184)		RS1/16S0R0J
R	3359(B,203 ,179)		RS1/16S221J
R	3360(B,161 ,163)		RS1/16S103J
R	3361(B,197 ,160)		RS1/16S0R0J
R	3362(B,161 ,167)		RS1/16S0R0J
R	3363(B,159 ,166)		RS1/16S0R0J
R	3366(B,194 ,161)		RS1/16S472J
R	3367(B,202 ,156)		RS1/16S104J
R	3368(B,202 ,160)		RS1/16S104J
R	3369(B,194 ,165)		RS1/16S102J
R	3371(B,200 ,164)		RS1/16S103J
R	3372(B,205 ,160)		RS1/16S101J
R	3373(B,179 ,163)		RS1/16S0R0J
R	3374(B,179 ,159)		RS1/16S0R0J
R	3376(B,170 ,157)		RS1/16S0R0J
R	3377(B,101 ,213)		RS1/16S104J

CAPACITORS

Mark	No.	Description	Part No.
C	3201(B,77 ,155)		CKSRYB102K50
C	3211(B,108 ,154)		CKSRYB102K50
C	3221(B,119 ,154)		CKSRYB102K50
C	3231(B,186 ,236)		CCSRCH471J50
C	3232(A,194 ,238)	ELECT. CAPACITOR	CEJQ101M35
C	3235(B,178 ,231)		CCSRCH471J50
C	3236(B,176 ,231)		CCSRCH471J50
C	3237(B,174 ,231)		CCSRCH471J50
C	3238(B,172 ,231)		CCSRCH471J50
C	3239(B,169 ,231)		CCSRCH471J50
C	3240(B,167 ,231)		CCSRCH471J50
C	3241(B,165 ,231)		CCSRCH471J50
C	3242(B,163 ,231)		CCSRCH471J50
C	3243(B,159 ,231)		CCSRCH471J50
C	3244(B,157 ,231)		CCSRCH471J50
C	3245(B,155 ,231)		CCSRCH471J50
C	3246(B,153 ,231)		CCSRCH471J50
C	3247(B,150 ,231)		CCSRCH471J50
C	3248(B,148 ,231)		CCSRCH471J50
C	3249(B,146 ,231)		CCSRCH471J50
C	3250(B,144 ,231)		CCSRCH471J50
C	3321(B,149 ,215)		CKSRYB103K50
C	3322(B,67 ,229)		CKSRYB103K50
C	3323(B,129 ,230)		CKSRYB103K50
C	3326(B,143 ,200)		CKSRYB104K25
C	3328(B,152 ,205)		CKSRYB104K25
C	3330(B,125 ,193)		CKSRYB102K50
C	3334(B,102 ,206)		CKSRYB103K50
C	3335(A,89 ,194)	ELECT. CAPACITOR	CEJQ470M50
C	3353(B,164 ,158)		CKSRYB153K50
C	3354(B,197 ,164)		CKSRYB103K50
C	3355(B,11 ,229)		CKSRYB103K50
C	3356(B,232 ,216)		CKSRYB103K50
C	3359(A,8 ,227)		CEJQ101M6R3
C	3360(A,194 ,224)		CEJQ221M6R3

AD INPUT SELECT ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
Q	3561(B,78 ,95)	DIGITAL TR(SC-70)	RT1N431M
D	3562(A,28 ,69)	LED(BLUE)	SLR-343BBT(HJKL)
S	3561(A,95 ,86)	ROTARY ENCODER	ASX7047

Mark	No.	Description	Part No.
S	3562(A,64 ,103)	SWITCH	VSG1024
S	3563(A,64 ,83)	SWITCH	VSG1024
S	3564(A,35 ,65)	SWITCH	VSG1024
S	3565(A,64 ,63)	SWITCH	VSG1024
	3561(A,79 ,106)	CABLE HOLDER(8P)	51063-0805

RESISTORS

Mark	No.	Description	Part No.
R	3561(B,73 ,95)		RS1/16S391J
R	3563(B,59 ,106)		RS1/16S272J
R	3564(B,59 ,87)		RS1/16S512J

CAPACITORS

Mark	No.	Description	Part No.
C	3563(B,91 ,86)		CKSRYB103K50
C	3564(B,89 ,86)		CKSRYB103K50

AE PREOUT & CONTROL ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
IC	2931(A,192 ,118)	RS-232C TRANSCEIVER	MAX3232CPW
IC	2932(B,167 ,69)	OP-AMP IC	BA4560RF
Q	2801(A,197 ,14)	TRANSISTOR	IMX25
Q	2802(A,197 ,21)	TRANSISTOR	IMX25
Q	2821(A,197 ,27)	TRANSISTOR	IMX25
Q	2822(A,197 ,34)	TRANSISTOR	IMX25
Q	2841(A,197 ,40)	TRANSISTOR	IMX25
Q	2842(A,197 ,47)	TRANSISTOR	IMX25
Q	2861(A,197 ,53)	TRANSISTOR	IMX25
Q	2862(A,197 ,60)	TRANSISTOR	IMX25
Q	2931(B,193 ,126)	TRANSISTOR	2SC4081
Q	2952(A,182 ,96)	DIGITAL TR(SC-70)	RT1N431M
D	2901(A,199 ,131)	DIODE	1SS355
D	2931(B,203 ,121)	DIODE	1SS355
D	2951(B,177 ,126)	DIODE	1SS355
D	2952(A,170 ,98)	DIODE	1SS355
D	2957(A,199 ,89)	DIODE	UDZS6R2(B)
D	2958(A,193 ,84)	DIODE	UDZS6R2(B)
D	2959(A,197 ,89)	DIODE	UDZS6R2(B)
D	2960(A,193 ,86)	DIODE	UDZS6R2(B)
L	2901(A,203 ,134)	CHIP SOLID INDUCTOR	QTL1013
L	2902(A,203 ,133)	CHIP SOLID INDUCTOR	QTL1013
L	2903(A,203 ,137)	CHIP SOLID INDUCTOR	QTL1013
L	2904(A,203 ,136)	CHIP SOLID INDUCTOR	QTL1013
L	2931(B,174 ,119)	CHIP SOLID INDUCTOR	QTL1013
L	2933(B,170 ,119)	CHIP BEADS	VTL1083
L	2934(A,169 ,129)	CHIP BEADS	VTL1083
L	2935(B,189 ,130)	CHIP BEADS	VTL1083
JA	2901(A,219 ,142)	MINI JACK(4P) /W SW	XKN3015
CN	2801(A,164 ,23)	26P CONNECTOR	52045-2645
CN	2802(A,165 ,135)	23P SOCKET	XKP3082
CN	2804(A,220 ,93)	20P SOCKET	AKP7202
CN	2805(A,220 ,23)	PIN JACK(4P)	AKB7172
CN	2806(A,220 ,51)	PIN JACK(4P)	AKB7172
CN	2931(A,220 ,119)	9P D-SUB SOCKET	AKP1213

RESISTORS

Mark	No.	Description	Part No.
R	2801(B,203 ,14)		RS1/16S101J
R	2802(B,203 ,21)		RS1/16S101J
R	2803(B,197 ,14)		RS1/16S121J
R	2804(B,197 ,21)		RS1/16S121J
R	2805(B,191 ,14)		RS1/16S271J
R	2806(B,191 ,21)		RS1/16S271J
R	2807(A,202 ,16)		RS1/16S103J

Mark	No.	Description	Part No.
R	2808(A,202 ,22)		RS1/16S103J
R	2809(A,193 ,16)		RS1/16S103J
R	2810(A,193 ,22)		RS1/16S103J
R	2821(B,203 ,27)		RS1/16S101J
R	2822(B,203 ,34)		RS1/16S101J
R	2823(B,197 ,27)		RS1/16S121J
R	2824(B,197 ,34)		RS1/16S121J
R	2825(B,191 ,27)		RS1/16S271J
R	2826(B,191 ,34)		RS1/16S271J
R	2827(A,202 ,29)		RS1/16S103J
R	2828(A,202 ,35)		RS1/16S103J
R	2829(A,193 ,29)		RS1/16S103J
R	2830(A,193 ,35)		RS1/16S103J
R	2841(B,203 ,40)		RS1/16S101J
R	2842(B,203 ,47)		RS1/16S101J
R	2843(B,197 ,40)		RS1/16S121J
R	2844(B,197 ,47)		RS1/16S121J
R	2845(B,191 ,40)		RS1/16S271J
R	2846(B,191 ,47)		RS1/16S271J
R	2847(A,202 ,42)		RS1/16S103J
R	2848(A,202 ,48)		RS1/16S103J
R	2849(A,193 ,42)		RS1/16S103J
R	2850(A,193 ,48)		RS1/16S103J
R	2861(B,203 ,53)		RS1/16S101J
R	2862(B,203 ,60)		RS1/16S101J
R	2863(B,197 ,53)		RS1/16S121J
R	2864(B,197 ,60)		RS1/16S121J
R	2865(B,191 ,53)		RS1/16S271J
R	2866(B,191 ,60)		RS1/16S271J
R	2867(A,202 ,55)		RS1/16S103J
R	2868(A,202 ,61)		RS1/16S103J
R	2869(A,193 ,55)		RS1/16S103J
R	2870(A,193 ,61)		RS1/16S103J
R	2931(A,198 ,121)		RS1/16S101J
R	2932(B,203 ,115)		RS1/16S101J
R	2933(B,189 ,118)		RS1/16S101J
R	2934(A,188 ,122)		RS1/16S101J
R	2935(B,203 ,119)		RS1/16S224J
R	2936(B,203 ,123)		RS1/16S474J
R	2937(B,198 ,120)		RS1/16S103J
R	2938(B,198 ,122)		RS1/16S224J
R	2939(B,212 ,113)		RS1/16S0R0J
R	2951(B,187 ,90)		RS1/16S104J
R	2952(B,187 ,86)		RS1/16S104J
R	2953(B,184 ,89)		RS1/16S331J
R	2954(B,184 ,86)		RS1/16S331J
R	2957(A,185 ,100)		RS1/16S514J
R	2959(A,182 ,100)		RS1/16S393J
R	2962(A,175 ,97)		RS1/16S0R0J
R	2965(B,176 ,75)		RS1/16S472J
R	2966(B,167 ,60)		RS1/16S472J
R	2967(B,164 ,94)		RS1/16S104J
R	2968(B,161 ,92)		RS1/16S104J
R	2969(B,174 ,71)		RS1/16S472J
R	2970(B,167 ,58)		RS1/16S472J
R	2971(A,170 ,70)		RS1/16S103J
R	2972(A,164 ,68)		RS1/16S103J
R	2973(A,170 ,67)		RS1/16S103J
R	2974(A,165 ,64)		RS1/16S103J
R	2975(B,169 ,77)		RS1/16S101J
R	2976(B,161 ,71)		RS1/16S101J
R	2996(B,191 ,130)		RS1/16S0R0J

CAPACITORS

Mark	No.	Description	Part No.
C	2891(B,214 ,23)		CKSRYB103K50
C	2892(B,214 ,51)		CKSRYB103K50
C	2903(B,204 ,135)		CKSRYB104K16
C	2931(B,207 ,128)		CKSRYB103K50
C	2933(A,192 ,112)		CKSRYB105K10
C	2934(A,192 ,122)		CKSRYB105K10
C	2935(A,197 ,115)		CKSRYB473K25
C	2936(A,197 ,118)		CKSRYB224K16
C	2937(A,186 ,115)		CKSRYB103K50
C	2938(A,177 ,115)		CEAT101M16
C	2939(B,203 ,117)		CKSRYB103K50
C	2940(B,198 ,124)		CCSRCH331J50
C	2955(A,178 ,91)		CEAT100M50
C	2956(A,178 ,85)		CEAT100M50
C	2957(B,178 ,132)		CKSRYB103K50
C	2958(B,209 ,84)		CKSRYB103K50
C	2961(A,174 ,77)		CEAT100M50
C	2962(A,182 ,77)		CEAT100M50
C	2967(A,167 ,85)		CEAT100M50
C	2968(A,161 ,78)		CEAT100M50
C	2969(B,165 ,75)		CKSRYB103K50
C	2970(B,167 ,73)		CKSRYB103K50
C	2973(A,206 ,105)		CKSRYB103K50
C	2974(A,205 ,105)		CKSRYB474K10
C	2975(B,211 ,86)		CKSRYB474K10
C	2976(B,211 ,88)		CKSRYB103K50

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MISCELLANEOUS

Mark	No.	Description	Part No.
⚠	IC 1 (A,42 ,38)	IC	NJM2391DL1-33
	IC 101 (A,61 ,43)	MICROCOMPUTER	PD5787A
	IC 103 (B,64 ,31)	RESET IC	PST9245
	IC 104 (B,44 ,50)	LOGIC IC	SN74LV125APW
	IC 201 (A,99 ,51)	IEEE1394 PHY LINK	TSB43CA42ZGW
	IC 205 (B,71 ,60)	LOGIC IC	SN74AHC1G08DCK
	IC 301 (B,100 ,26)	FLOW CONTROL IC	PD8112A
	IC 302 (B,125 ,25)	IC	K4S641632H-TC75
	IC 303 (A,116 ,27)	OP AMP IC	NJU7093AF
	IC 401 (A,25 ,55)	DSD/PCM CONVERTER IC	SM5819AF
	IC 404 (B,51 ,23)	LOGIC IC	SN74LVC1G125DCK
	IC 405 (B,23 ,57)	IC	SN74LVC541APW
	IC 409 (B,73 ,26)	LOGIC IC	SN74LVC1G126DCK
⚠	IC 410 (A,27 ,45)	VOLTAGE REGULATOR	S-L2980A25MC-C6K
	Q 101 (A,44 ,45)	DIGITAL TR(SC-70)	RT1P241M
	Q 301 (B,115 ,28)	DIGITAL TR(SC-70)	RT1P241M
	Q 401 (A,20 ,62)	DIGITAL TR(SC-70)	RT1P431M
	D 102 (B,63 ,61)	CHIP DIODE	RB501V-40
	L 1 (A,38 ,33)	CHIP SOLID INDUCTOR	ATL7002
	L 101 (B,43 ,35)	CHIP SOLID INDUCTOR	ATL7002
	L 201 (B,75 ,61)	CHIP SOLID INDUCTOR	ATL7002
	L 202 (B,76 ,41)	CHIP SOLID INDUCTOR	ATL7002
	L 203 (B,138 ,50)	CHIP SOLID INDUCTOR	ATL7002
⚠	L 204 (A,132 ,61)	COIL	ATH7015
⚠	L 205 (A,132 ,58)	COIL	ATH7015
⚠	L 206 (A,133 ,36)	COIL	ATH7015

Mark	No.	Description	Part No.
⚠	L 207 (A,133 ,33)	COIL	ATH7015
	L 301 (B,80 ,35)	CHIP SOLID INDUCTOR	ATL7002
	L 302 (B,138 ,45)	CHIP SOLID INDUCTOR	ATL7002
	L 401 (A,35 ,43)	CHIP SOLID INDUCTOR	ATL7002
	L 403 (B,19 ,61)	CHIP SOLID INDUCTOR	ATL7002
	L 404 (A,29 ,42)	CHIP SOLID INDUCTOR	ATL7002
	L 405 (A,16 ,48)	CHIP SOLID INDUCTOR	ATL7002
	JA 201 (A,142 ,35)	1394-TERMINAL	VKN1800
	JA 202 (A,142 ,60)	1394-TERMINAL	VKN1800
	X 101 (A,62 ,57)	CERAMIC RESONATOR (6.14MHz)	VSS1179
	X 201 (B,105 ,60)	CRYSTAL RESONATOR (24.5760MHz)	ASS7055
	X 302 (A,86 ,35)	CRYSTAL RESONATOR (22.5792MHz)	ASS7054
	CN101 (A,138 ,19)	07P CONNECTOR	RKN1048
	CN401 (A,79 ,15)	22P CONNECTOR	VKN1426
	CN402 (A,20 ,37)	10P CONNECTOR	VKN1414
	IC	FLASH MEMORY IC	MBM29LV400TC-90PFTN

RESISTORS

Mark	No.	Description	Part No.
	R 102 (B,69 ,51)		RS1/16S101J
	R 103 (B,67 ,51)		RS1/16S472J
	R 104 (A,69 ,56)		RS1/16S472J
	R 106 (A,61 ,60)		RS1/16S472J
	R 108 (A,56 ,56)		RS1/16S472J
	R 109 (A,52 ,55)		RS1/16S101J
	R 110 (A,50 ,51)		RS1/16S101J
	R 111 (A,47 ,51)		RS1/16S101J
	R 113 (B,71 ,53)		RS1/16S103J
	R 114 (B,49 ,46)		RS1/16S103J
	R 115 (A,47 ,53)		RS1/16S472J
	R 116 (A,57 ,61)		RS1/16S101J
	R 117 (A,49 ,45)		RS1/16S103J
	R 118 (A,49 ,43)		RS1/16S101J
	R 119 (A,49 ,40)		RAB4C101J
	R 122 (B,44 ,40)		RAB4C103J
	R 123 (A,49 ,38)		RS1/16S101J
	R 124 (A,49 ,33)		RS1/16S103J
	R 125 (A,49 ,36)		RS1/16S101J
	R 126 (A,49 ,35)		RS1/16S101J
	R 127 (A,52 ,31)		RAB4C101J
	R 128 (A,56 ,31)		RAB4C101J
	R 129 (A,61 ,31)		RAB4C101J
	R 130 (A,65 ,31)		RAB4C101J
	R 131 (A,76 ,64)		RS1/16S101J
	R 132 (A,73 ,48)		RS1/16S472J
	R 135 (A,73 ,43)		RAB4C472J
	R 136 (A,73 ,39)		RAB4C472J
	R 137 (A,73 ,36)		RAB4C472J
	R 138 (A,73 ,32)		RAB4C472J
	R 139 (B,54 ,33)		RS1/16S472J
	R 140 (B,138 ,17)		RS1/16S103J
	R 141 (B,138 ,18)		RS1/16S103J
	R 142 (B,59 ,61)		RS1/16S0R0J
	R 143 (A,42 ,52)		RS1/16S103J
	R 144 (A,42 ,51)		RS1/16S470J
	R 145 (A,42 ,47)		RS1/16S472J
	R 146 (A,42 ,49)		RS1/16S470J
	R 147 (A,42 ,53)		RS1/16S472J
	R 148 (B,67 ,42)		RS1/16S101J

Mark	No.	Description	Part No.
	R 149 (B,66 ,40)		RS1/16S472J
	R 151 (B,67 ,32)		RS1/16S0R0J
	R 201 (A,112 ,40)		RS1/16S472J
	R 202 (A,113 ,40)		RS1/16S472J
	R 203 (A,111 ,46)		RS1/16S101J
	R 204 (B,104 ,44)		RS1/16S101J
	R 205 (B,125 ,46)		RAB4C101J
	R 206 (A,116 ,37)		RAB4C472J
	R 207 (B,104 ,50)		RS1/16S472J
	R 208 (B,104 ,51)		RS1/16S472J
	R 209 (B,111 ,61)		RS1/16S0R0J
	R 210 (B,112 ,52)		RS1/16S0R0J
	R 213 (A,107 ,61)	CHIP RESISTOR	RS1/16S6341D
	R 214 (B,98 ,57)		RS1/16S0R0J
	R 215 (B,100 ,57)		RS1/16S0R0J
	R 216 (B,97 ,63)		RAB4C472J
	R 217 (A,76 ,57)		RS1/16S472J
	R 218 (B,73 ,61)		RS1/16S472J
	R 219 (A,76 ,63)		RS1/16S472J
	R 220 (B,93 ,63)		RAB4C472J
	R 221 (B,89 ,63)		RAB4C472J
	R 222 (A,85 ,63)		RS1/16S472J
	R 223 (B,98 ,59)		RAB4C472J
	R 224 (B,85 ,62)		RS1/16S472J
	R 225 (B,85 ,64)		RS1/16S472J
	R 226 (A,80 ,61)		RS1/16S472J
	R 227 (B,71 ,57)		RS1/16S472J
	R 228 (B,85 ,57)		RS1/16S472J
	R 229 (B,84 ,57)		RS1/16S472J
	R 230 (A,86 ,54)		RAB4C101J
	R 231 (A,81 ,53)		RAB4C101J
	R 232 (B,85 ,49)		RAB4C101J
	R 233 (B,81 ,48)		RAB4C101J
	R 234 (A,84 ,45)		RAB4C472J
	R 235 (B,89 ,47)		RS1/16S472J
	R 236 (A,84 ,42)		RS1/16S472J
	R 237 (A,84 ,41)		RS1/16S472J
	R 238 (B,84 ,44)		RAB4C472J
	R 239 (A,90 ,40)		RAB4C472J
	R 240 (A,81 ,40)		RAB4C472J
	R 241 (B,101 ,44)		RS1/16S101J
	R 242 (A,77 ,40)		RS1/16S472J
	R 243 (A,78 ,40)		RS1/16S472J
	R 244 (A,98 ,39)		RS1/16S472J
	R 245 (A,96 ,33)		RAB4C101J
	R 246 (A,100 ,32)		RAB4C101J
	R 247 (A,102 ,37)		RS1/16S472J
	R 251 (A,110 ,40)		RS1/16S472J
	R 252 (A,113 ,37)		RS1/16S101J
	R 253 (B,87 ,56)		RS1/16S101J
	R 254 (B,88 ,56)		RS1/16S101J
	R 261 (B,123 ,42)		RS1/16S0R0J
	R 262 (B,106 ,48)		RS1/16S0R0J
	R 265 (A,112 ,43)		RS1/16S470J
	R 266 (A,112 ,45)		RS1/16S470J
	R 267 (B,117 ,63)	CHIP RESISTOR	RS1/16S56R0D
	R 268 (B,117 ,61)	CHIP RESISTOR	RS1/16S56R0D
	R 269 (B,117 ,56)	CHIP RESISTOR	RS1/16S56R0D
	R 270 (B,117 ,55)	CHIP RESISTOR	RS1/16S56R0D
	R 271 (B,117 ,59)	CHIP RESISTOR	RS1/16S56R0D

Mark	No.	Description	Part No.
	R 272 (B,117 ,58)	CHIP RESISTOR	RS1/16S56R0D
	R 273 (B,117 ,53)	CHIP RESISTOR	RS1/16S56R0D
	R 274 (B,117 ,51)	CHIP RESISTOR	RS1/16S56R0D
	R 275 (B,120 ,59)		RS1/16S5101F
	R 276 (B,120 ,51)		RS1/16S5101F
	R 283 (A,136 ,28)		RS1/16S0R0J
	R 284 (A,138 ,28)		RS1/16S0R0J
	R 288 (B,109 ,61)		RS1/16S0R0J
	R 289 (A,104 ,61)		RS1/16S101J
	R 290 (A,103 ,64)		RS1/16S220J
	R 291 (B,121 ,39)		RS1/16S0R0J
	R 292 (A,120 ,37)		RS1/16S0R0J
	R 294 (B,128 ,49)		RS1/16S0R0J
	R 295 (A,135 ,46)		RS1/16S0R0J
	R 301 (A,94 ,18)		RS1/16S470J
	R 302 (A,89 ,22)	RESISTOR ARRAY	RAB4C680J
	R 303 (A,94 ,21)		RS1/16S680J
	R 304 (A,94 ,22)		RS1/16S470J
	R 305 (B,85 ,20)		RS1/16S220J
	R 307 (B,85 ,28)		RS1/16S470J
	R 308 (A,89 ,28)		RAB4C470J
	R 309 (B,85 ,31)		RS1/16S470J
	R 310 (B,85 ,33)		RS1/16S470J
	R 311 (B,85 ,34)		RS1/16S0R0J
	R 313 (B,85 ,36)		RS1/16S0R0J
	R 325 (B,90 ,39)		RS1/16S470J
	R 326 (A,91 ,36)		RS1/16S101J
	R 327 (B,100 ,41)		RS1/16S0R0J
	R 328 (A,77 ,37)		RS1/16S101J
	R 329 (A,80 ,37)		RS1/16S103J
	R 332 (A,106 ,33)		RS1/16S101J
	R 333 (B,113 ,32)		RS1/16S101J
	R 334 (A,116 ,32)		RS1/16S0R0J
	R 335 (A,117 ,32)		RS1/16S0R0J
	R 339 (A,115 ,19)		RAB4C470J
	R 340 (A,111 ,17)		RAB4C470J
	R 341 (A,107 ,20)		RS1/16S470J
	R 342 (A,106 ,20)		RS1/16S470J
	R 343 (B,115 ,17)		RAB4C470J
	R 344 (A,126 ,16)		RAB4C470J
	R 345 (A,103 ,19)		RAB4C470J
	R 346 (A,103 ,24)		RAB4C470J
	R 347 (A,99 ,19)		RAB4C470J
	R 348 (A,96 ,15)		RS1/16S470J
	R 349 (A,96 ,17)		RS1/16S470J
	R 350 (A,99 ,24)		RAB4C470J
	R 351 (A,117 ,24)		RS1/16S123J
	R 352 (A,120 ,25)		RS1/16S271J
	R 353 (A,117 ,22)		RS1/16S472J
	R 354 (A,120 ,34)		RS1/16S223J
	R 355 (A,120 ,32)		RS1/16S223J
	R 356 (B,117 ,25)		RS1/16S0R0J
	R 357 (A,110 ,25)		RS1/16S0R0J
	R 401 (A,16 ,55)		RS1/16S680J
	R 402 (A,17 ,53)	RESISTOR ARRAY	RAB4C680J
	R 403 (A,23 ,48)		RS1/16S101J
	R 404 (A,33 ,49)		RS1/16S221J
	R 405 (A,33 ,50)		RS1/16S221J
	R 406 (A,33 ,51)		RS1/16S221J
	R 407 (A,33 ,54)		RAB4C221J

Mark	No.	Description	Part No.
	R 411 (A,33 ,58)		RS1/16S101J
	R 412 (A,30 ,63)		RS1/16S0R0J
	R 418 (B,69 ,28)		RS1/16S101J
	R 421 (A,69 ,20)		RS1/16S0R0J
	R 422 (A,64 ,20)		RS1/16S0R0J
	R 425 (B,75 ,23)		RS1/16S470J
	R 426 (A,69 ,27)		RS1/16S0R0J
	R 427 (A,65 ,27)		RS1/16S0R0J
	R 428 (A,56 ,20)		RS1/16S0R0J
	R 429 (A,54 ,20)		RS1/16S0R0J
	R 432 (A,61 ,20)		RS1/16S0R0J
	R 434 (A,60 ,20)		RS1/16S0R0J
	R 436 (B,48 ,25)		RS1/16S221J
	R 437 (A,52 ,20)		RS1/16S101J
	R 441 (B,29 ,60)		RS1/16S101J
	R 442 (B,17 ,60)		RS1/16S101J
	R 443 (B,17 ,58)		RS1/16S101J
	R 444 (B,16 ,56)		RS1/16S101J
	R 445 (B,20 ,51)		RAB4C101J
	R 454 (B,71 ,20)		RS1/16S0R0J
	R 456 (B,51 ,28)		RS1/16S0R0J

CAPACITORS

Mark	No.	Description	Part No.
	C 1 (A,38 ,36)		CKSRYB104K16
	C 2 (A,42 ,27)		CEVW101M16
	C 101 (B,67 ,45)		CKSRYB103K50
	C 102 (A,61 ,53)		CKSRYB104K16
	C 103 (B,46 ,31)		CEVW101M16
	C 104 (B,52 ,32)		CKSRYB104K16
	C 105 (A,58 ,31)		CKSRYB104K16
	C 106 (B,67 ,48)		CKSRYB104K16
	C 107 (B,138 ,20)		CKSRYB104K16
	C 108 (B,42 ,53)		CKSRYB104K16
	C 109 (B,57 ,58)		CKSRYB104K16
	C 110 (B,69 ,33)		CKSRYB104K16
	C 111 (B,60 ,30)		CKSRYB103K50
	C 113 (B,58 ,32)		CKSRYB102K50
	C 201 (B,104 ,48)		CKSRYB104K16
	C 202 (B,107 ,50)		CKSRYB104K16
	C 203 (B,110 ,52)		CKSRYB104K16
	C 204 (B,105 ,54)		CKSRYB104K16
	C 205 (B,105 ,53)		CKSRYB104K16
	C 206 (B,77 ,56)		CEVW101M16
	C 207 (B,81 ,59)		CKSRYB104K16
	C 209 (A,106 ,61)		CKSRYB104K16
	C 210 (B,105 ,64)		CKSRYB104K16
	C 211 (B,105 ,63)		CKSRYB102K50
	C 212 (B,100 ,55)		CKSRYB104K16
	C 213 (B,99 ,55)		CKSRYB102K50
	C 214 (A,101 ,61)		CKSRYB104K16
	C 215 (B,100 ,64)		CKSRYB102K50
	C 216 (A,99 ,64)		CKSRYB102K50
	C 217 (B,73 ,45)		CEVW101M16
	C 218 (B,77 ,49)		CKSRYB104K16
	C 219 (B,94 ,52)		CKSRYB104K16
	C 220 (B,94 ,49)		CKSRYB104K16
	C 221 (B,94 ,51)		CKSRYB104K16
	C 222 (A,88 ,46)		CKSRYB104K16
	C 223 (B,99 ,46)		CKSRYB104K16

Mark	No.	Description	Part No.
	C 224 (B,100 ,46)		CKSRYB104K16
	C 225 (A,101 ,40)		CKSRYB104K16
	C 226 (A,110 ,41)		CKSRYB104K16
	C 232 (B,133 ,51)		CEVW101M16
	C 235 (B,131 ,56)		CKSRYB104K16
	C 241 (B,71 ,63)		CKSRYB104K16
	C 242 (B,120 ,61)		CCSRCH221J50
	C 243 (B,120 ,53)		CCSRCH221J50
	C 244 (B,120 ,63)		CKSRYB105K6R3
	C 245 (B,120 ,56)		CKSRYB105K6R3
	C 246 (A,138 ,48)		CKSRYB104K16
	C 247 (A,138 ,47)		CKSRYB104K16
	C 248 (A,85 ,64)		CKSRYB104K16
	C 249 (B,95 ,56)		CKSRYB104K16
	C 301 (B,86 ,16)		CKSRYB104K16
	C 302 (B,85 ,24)		CKSRYB104K16
	C 303 (B,85 ,30)		CKSRYB104K16
	C 304 (B,75 ,33)		CEVW101M16
	C 305 (B,80 ,32)		CKSRYB104K16
	C 309 (A,87 ,31)		CKSRYB104K16
	C 310 (A,87 ,32)		CKSRYB102K50
	C 311 (B,93 ,39)		CKSRYB104K16
	C 315 (B,103 ,40)		CKSRYB104K16
	C 316 (B,113 ,37)		CKSRYB104K16
	C 317 (B,115 ,26)		CKSRYB104K16
	C 318 (B,115 ,24)		CKSRYB104K16
	C 319 (B,114 ,20)		CKSRYB104K16
	C 320 (A,99 ,15)		CKSRYB104K16
	C 321 (B,132 ,44)		CEVW101M16
	C 322 (B,133 ,25)		CKSRYB104K16
	C 323 (B,133 ,18)		CKSRYB104K16
	C 324 (B,117 ,21)		CKSRYB102K50
	C 325 (B,123 ,38)		CKSRYB104K16
	C 326 (A,120 ,30)		CKSRYB105K6R3
	C 327 (A,113 ,28)		CKSRYB104K16
	C 328 (A,120 ,27)		CKSRYB474K10
	C 329 (A,120 ,28)	ELECT. CAPACITOR	DCH1201
	C 330 (A,120 ,23)		CKSRYB472K50
	C 333 (A,122 ,16)		CKSRYB104K16
	C 401 (A,33 ,37)		CEVW101M16
	C 402 (A,33 ,43)		CCSRCH471J50
	C 404 (A,26 ,48)		CKSRYB104K16
	C 405 (A,24 ,61)		CKSRYB104K16
	C 408 (A,18 ,56)		CKSRYB104K16
	C 409 (A,29 ,48)		CKSRYB104K16
	C 410 (A,29 ,61)		CKSRYB104K16
	C 411 (A,18 ,59)		CKSRYB104K16
	C 412 (A,21 ,48)		CKSRYB104K16
	C 415 (B,51 ,20)		CKSRYB104K16
	C 416 (B,21 ,61)		CKSRYB104K16
	C 419 (A,78 ,24)		CEVW101M16
	C 420 (A,79 ,19)		CKSRYB104K16
	C 424 (B,73 ,24)		CKSRYB104K16
	C 427 (A,30 ,44)		CKSRYB104K16
	C 428 (A,19 ,44)		CEVW101M16

AG HDMI&DVC ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
	IC 101 (A,56 ,65)	HDMI RECEIVER	SII9031CTU
	IC 151 (A,25 ,63)	EEPROM	BR24L02FV-W
	IC 152 (A,32 ,83)	LOGIC IC	SN74CBT3306CPW
	IC 161 (A,33 ,40)	LOGIC(MULTIPLEXER)	SN74LV4052APW
	IC 171 (A,34 ,63)	EEPROM	BR24L02FV-W
	IC 172 (A,24 ,40)	LOGIC IC	SN74CBT3306CPW
	IC 201 (A,79 ,40)	IC	SN74LVC541APW
	IC 301 (A,52 ,29)	HDMI TRANSMITER	SII9030CTU
	IC 401 (A,139 ,75)	VIDEO DECODER IC	ADV7400AKSTZ-80
	IC 452 (A,108 ,83)	IC	SN74LVC541APW
	IC 453 (A,115 ,73)	IC	SN74LVC541APW
	IC 454 (A,110 ,68)	LOGIC IC	SN74LVC1G125DCK
	IC 501 (B,91 ,69)	CPU	PEG118A
	IC 502 (A,91 ,68)	FLASH ROM	AYW7078
	IC	FLASH MEMORY(4M)	MBM29LV400TC-70PFTN
	IC 504 (A,96 ,50)	LOGIC IC	SN74LV125APW
	IC 601 (A,156 ,38)	VIDEO FILTER IC	FMS6403MTC
	IC 602 (B,159 ,34)	VIDEO SW IC	MM1503XN
	IC 701 (A,133 ,44)	VIDEO ENCODER IC	ADV7172KSTZ
	IC 801 (B,144 ,41)	DVD VIDEO AMP IC	MM1623BF
⚠	IC 901 (B,103 ,39)	REGULATOR IC	BD7802FP
⚠	IC 902 (B,93 ,37)	IC	NJM2885DL1-18
⚠	IC 903 (B,113 ,39)	REGULATOR IC	BD7802FP
⚠	IC 904 (B,122 ,55)	REGULATOR IC	MM1561JF
⚠	IC 911 (B,70 ,38)	REGULATOR IC	PQ200WNA1ZPH
	Q 101 (A,61 ,84)	NMOS FET TRANSISTOR	UM6K1N
	Q 151 (A,19 ,87)	CHIP TRANSISTOR	DTC114YUA
	Q 152 (B,28 ,83)	CHIP TRANSISTOR	DTC114YUA
	Q 153 (A,29 ,63)	NMOS FET TRANSISTOR	UM6K1N
	Q 171 (A,19 ,65)	CHIP TRANSISTOR	DTC114YUA
	Q 172 (B,25 ,42)	CHIP TRANSISTOR	DTC114YUA
	Q 173 (A,28 ,42)	NMOS FET TRANSISTOR	UM6K1N
	Q 351 (B,28 ,33)	CHIP TR (PNP X 2)	UMB1N
	Q 352 (B,31 ,29)	CHIP TRANSISTOR	DTC114YUA
	Q 353 (A,28 ,15)	NMOS FET TRANSISTOR	UM6K1N
	Q 911 (A,82 ,50)	TRANSISTOR	2SA1576A
	Q 912 (B,78 ,30)	TRANSISTOR	RT1N241M
	Q 913 (B,83 ,30)	CHIP TRANSISTOR	DTC114YUA
	D 151 (B,24 ,80)	DIODE	DAN202U
	D 171 (B,24 ,54)	DIODE	DAN202U
	D 381 (A,37 ,21)	DIODE	UDZS5R1(B)
	D 551 (A,84 ,54)	CHIP DIODE	RB501V-40
	L 101 (A,70 ,88)	CHIP BEADS	ATL7010
	L 103 (A,85 ,83)	CHIP BEADS	ATL7010
	L 104 (A,39 ,90)	CHIP BEADS	ATL7010
	L 302 (B,53 ,25)	CHIP BEADS	ATL7010
	L 304 (A,67 ,46)	CHIP BEADS	ATL7010
	L 305 (A,44 ,42)	CHIP BEADS	ATL7010
⚠	L 351 (A,26 ,24)	COIL	ATH7022
⚠	L 352 (A,26 ,27)	COIL	ATH7022
⚠	L 353 (A,26 ,30)	COIL	ATH7022
⚠	L 354 (A,26 ,33)	COIL	ATH7022
	L 401 (A,118 ,81)	CHIP BEADS	ATL7010
	L 402 (A,159 ,63)	CHIP BEADS	ATL7010
	L 501 (A,82 ,86)	CHIP BEADS	ATL7010
	L 701 (A,117 ,57)	CHIP BEADS	ATL7010
	L 702 (A,149 ,41)	CHIP BEADS	ATL7010
	X 101 (A,60 ,48)	CRYSTAL RESONATOR (27MHz)	ASS7066
	X 401 (A,135 ,61)	CRYSTAL RESONATOR (28.63636MHz)	ASS7067

Mark	No.	Description	Part No.
	X 501 (A,101 ,59)	CERAMIC RESONATOR (15.7MHz)	XSS3004
	CN101 (A,16 ,77)	HDMI CONNECTOR	AKN7040
	CN102 (A,16 ,54)	HDMI CONNECTOR	AKN7040
	CN301 (A,16 ,31)	HDMI CONNECTOR	AKN7040
	CN501 (A,17 ,13)	07P CONNECTOR	RKN1048
	CN1001(A,71 ,21)	CONNECTOR	CKS4668
	CN1002(A,103 ,21)	CONNECTOR	CKS4668

RESISTORS

Mark	No.	Description	Part No.
	R 101 (A,52 ,83)	RESISTOR ARRAY	RAB4CQ100J
	R 102 (A,67 ,80)	RESISTOR ARRAY	RAB4CQ470J
	R 103 (A,50 ,79)		RS1/16S100J
	R 104 (B,52 ,77)		RS1/16S100J
	R 105 (A,47 ,79)		RS1/16S103J
	R 106 (A,49 ,79)		RS1/16S103J
	R 107 (B,53 ,69)		RS1/16S750J
	R 108 (B,56 ,69)		RS1/16S750J
	R 109 (B,58 ,69)		RS1/16S750J
	R 111 (B,49 ,49)		RS1/16S101J
	R 112 (B,51 ,53)		RS1/16S470J
	R 113 (B,52 ,61)		RS1/16S680J
	R 114 (B,62 ,53)		RS1/16S472J
	R 115 (A,71 ,49)		RS1/16S472J
	R 117 (B,53 ,53)		RS1/16S330J
	R 118 (A,61 ,51)		RS1/16S105J
	R 119 (A,67 ,49)		RS1/16S471J
	R 120 (B,63 ,59)		RS1/16S221J
	R 121 (A,67 ,50)		RS1/16S221J
	R 122 (B,54 ,61)		RS1/16S470J
	R 123 (B,55 ,53)		RS1/16S100J
	R 124 (A,58 ,51)		RS1/16S152J
	R 125 (A,52 ,46)	RESISTOR ARRAY	RAB4CQ680J
	R 126 (A,71 ,74)	RESISTOR ARRAY	RAB4CQ680J
	R 127 (A,71 ,71)	RESISTOR ARRAY	RAB4CQ680J
	R 128 (A,71 ,67)	RESISTOR ARRAY	RAB4CQ470J
	R 129 (A,71 ,64)	RESISTOR ARRAY	RAB4CQ470J
	R 130 (A,71 ,58)	RESISTOR ARRAY	RAB4CQ470J
	R 131 (A,71 ,55)	RESISTOR ARRAY	RAB4CQ470J
	R 132 (A,71 ,61)		RS1/16S330J
	R 133 (A,65 ,86)		RS1/16S103J
	R 134 (A,58 ,83)		RS1/16S103J
	R 135 (A,65 ,83)		RS1/16S103J
	R 136 (A,58 ,86)		RS1/16S103J
	R 137 (A,64 ,86)		RS1/16S104J
	R 138 (A,57 ,83)		RS1/16S104J
	R 151 (B,28 ,64)		RS1/16S100J
	R 152 (B,26 ,64)		RS1/16S100J
	R 153 (B,24 ,64)		RS1/16S101J
	R 154 (B,28 ,60)		RS1/16S103J
	R 155 (B,26 ,60)		RS1/16S103J
	R 156 (B,24 ,60)		RS1/16S103J
	R 157 (B,21 ,80)		RS1/16S473J
	R 158 (A,29 ,66)		RS1/16S472J
	R 159 (A,29 ,61)		RS1/16S472J
	R 160 (B,33 ,84)		RS1/16S103J
	R 161 (B,19 ,80)		RS1/16S102J
	R 163 (B,48 ,81)		RS1/16S473J
	R 164 (B,54 ,77)		RS1/16S473J
	R 165 (B,36 ,41)		RS1/16S102J

Mark	No.	Description	Part No.
	R 166 (B,37 ,46)		RS1/16S102J
	R 171 (B,38 ,64)		RS1/16S100J
	R 172 (B,35 ,64)		RS1/16S100J
	R 173 (B,33 ,64)		RS1/16S101J
	R 174 (B,38 ,60)		RS1/16S103J
	R 175 (B,35 ,60)		RS1/16S103J
	R 176 (B,33 ,60)		RS1/16S103J
	R 177 (B,18 ,43)		RS1/16S473J
	R 178 (A,28 ,45)		RS1/16S472J
	R 179 (A,28 ,39)		RS1/16S472J
	R 181 (B,20 ,56)		RS1/16S102J
	R 201 (A,86 ,42)		RS1/16S470J
	R 202 (A,86 ,40)		RS1/16S470J
	R 203 (A,86 ,39)		RS1/16S470J
	R 204 (A,84 ,35)	RESISTOR ARRAY	RAB4CQ470J
	R 205 (A,79 ,35)		RS1/16S470J
	R 303 (B,57 ,39)		RS1/16S100J
	R 306 (B,47 ,39)		RS1/16S101J
	R 312 (B,51 ,30)	CHIP RESISTOR	RS1/16S4750F
	R 313 (A,43 ,36)		RS1/16S472J
	R 314 (B,49 ,22)		RS1/16S100J
	R 315 (B,45 ,22)		RS1/16S100J
	R 316 (B,42 ,20)		RS1/16S471J
	R 318 (B,56 ,21)		RS1/16S472J
	R 325 (B,59 ,26)		RS1/16S330J
	R 326 (A,48 ,39)		RS1/16S100J
	R 327 (A,46 ,39)		RS1/16S100J
	R 331 (A,60 ,42)	RESISTOR ARRAY	RAB4CQ473J
	R 332 (A,75 ,61)		RS1/16S473J
	R 333 (A,75 ,74)	RESISTOR ARRAY	RAB4CQ473J
	R 334 (A,75 ,71)	RESISTOR ARRAY	RAB4CQ473J
	R 335 (A,75 ,67)	RESISTOR ARRAY	RAB4CQ473J
	R 336 (A,75 ,64)	RESISTOR ARRAY	RAB4CQ473J
	R 337 (A,75 ,58)	RESISTOR ARRAY	RAB4CQ473J
	R 338 (A,75 ,55)	RESISTOR ARRAY	RAB4CQ473J
	R 351 (B,29 ,18)		RS1/16S472J
	R 352 (B,31 ,34)		RS1/16S472J
	R 353 (B,29 ,22)		RS1/16S272J
	R 354 (B,33 ,34)		RS1/16S272J
	R 355 (A,25 ,15)		RS1/16S472J
	R 356 (A,31 ,15)		RS1/16S472J
	R 386 (A,20 ,19)		RS1/16S473J
	R 389 (B,21 ,11)		RS1/16S102J
	R 403 (B,131 ,73)		RS1/16S330J
	R 404 (B,128 ,73)		RS1/16S330J
	R 405 (A,125 ,71)		RS1/16S330J
	R 406 (A,127 ,77)	RESISTOR ARRAY	RAB4CQ470J
	R 407 (A,127 ,68)	RESISTOR ARRAY	RAB4CQ560J
	R 408 (A,130 ,64)		RS1/16S560J
	R 409 (A,130 ,63)		RS1/16S560J
	R 410 (B,134 ,64)		RS1/16S103J
	R 411 (B,137 ,64)		RS1/16S100J
	R 412 (A,141 ,63)		RS1/16S560J
	R 413 (A,143 ,63)		RS1/16S560J
	R 414 (B,144 ,65)		RS1/16S132J
	R 415 (B,142 ,65)		RS1/16S391J
	R 416 (A,137 ,64)		RS1/16S105J
	R 417 (A,134 ,64)		RS1/16S101J
	R 418 (B,142 ,72)		RS1/16S272J
	R 419 (B,140 ,72)		RS1/16S272J

Mark	No.	Description	Part No.
R	420 (A,148 ,66)		RS1/16S103J
R	423 (A,140 ,87)		RS1/16S330J
R	424 (A,141 ,87)		RS1/16S330J
R	425 (B,137 ,83)		RS1/16S103J
R	426 (B,145 ,85)		RS1/16S471J
R	428 (A,136 ,87)	RESISTOR ARRAY	RAB4CQ470J
R	451 (A,104 ,65)		RS1/16S330J
R	452 (A,102 ,81)	RESISTOR ARRAY	RAB4CQ680J
R	453 (A,102 ,84)	RESISTOR ARRAY	RAB4CQ680J
R	454 (A,109 ,73)	RESISTOR ARRAY	RAB4CQ680J
R	455 (A,109 ,76)	RESISTOR ARRAY	RAB4CQ680J
R	456 (A,122 ,75)	RESISTOR ARRAY	RAB4CQ473J
R	457 (A,122 ,71)	RESISTOR ARRAY	RAB4CQ473J
R	458 (A,115 ,84)	RESISTOR ARRAY	RAB4CQ473J
R	459 (A,115 ,81)	RESISTOR ARRAY	RAB4CQ473J
R	460 (A,117 ,61)	RESISTOR ARRAY	RAB4CQ473J
R	491 (B,154 ,61)		RS1/10S0R0J
R	492 (B,151 ,61)		RS1/10S0R0J
R	506 (A,104 ,57)		RS1/16S221J
R	508 (B,102 ,59)		RS1/16S472J
R	511 (B,111 ,55)		RS1/16S101J
R	517 (B,99 ,50)		RS1/16S101J
R	520 (A,103 ,54)		RS1/16S103J
R	524 (B,91 ,50)		RS1/16S100J
R	525 (B,89 ,50)		RS1/16S100J
R	526 (B,86 ,50)		RS1/16S100J
R	527 (B,84 ,50)		RS1/16S100J
R	528 (B,70 ,50)		RS1/16S470J
R	529 (B,77 ,57)		RS1/16S473J
R	530 (B,91 ,45)		RS1/16S222J
R	531 (B,89 ,45)		RS1/16S222J
R	533 (B,87 ,45)		RS1/16S472J
R	534 (B,81 ,50)		RS1/16S472J
R	537 (B,110 ,71)		RS1/16S101J
R	538 (B,111 ,75)		RS1/16S101J
R	539 (B,107 ,79)		RS1/16S101J
R	540 (A,101 ,49)		RS1/16S470J
R	541 (A,90 ,49)		RS1/16S103J
R	542 (A,90 ,50)		RS1/16S470J
R	543 (A,90 ,53)		RS1/16S472J
R	544 (A,90 ,52)		RS1/16S470J
R	546 (B,79 ,50)		RS1/16S101J
R	549 (B,80 ,57)		RS1/16S473J
R	551 (A,84 ,75)		RS1/16S473J
R	561 (B,104 ,59)		RS1/16S103J
R	562 (B,111 ,59)		RS1/16S103J
R	564 (B,104 ,55)		RS1/16S103J
R	565 (B,111 ,50)		RS1/16S103J
R	566 (B,109 ,50)		RS1/16S103J
R	567 (B,104 ,50)		RS1/16S103J
R	568 (A,97 ,91)		RS1/16S103J
R	569 (A,79 ,60)		RS1/16S103J
R	571 (B,18 ,15)		RS1/16S103J
R	586 (B,113 ,73)		RS1/16S103J
R	588 (B,94 ,45)		RS1/16S103J
R	594 (A,90 ,43)		RS1/16S0R0J
R	703 (A,128 ,38)		RS1/16S103J
R	704 (A,128 ,35)		RS1/16S103J
R	705 (A,130 ,36)		RS1/16S103J
R	706 (A,132 ,36)		RS1/16S103J

Mark	No.	Description	Part No.
R	707 (A,138 ,36)		RS1/16S1201F
R	708 (A,138 ,34)		RS1/16S1201F
R	709 (A,135 ,36)		RS1/16S470J
R	710 (A,136 ,36)		RS1/16S470J
R	714 (A,138 ,53)		RS1/16S470J
R	715 (A,127 ,52)		RS1/16S470J
R	716 (A,131 ,54)		RS1/16S471J
R	717 (A,137 ,53)		RS1/16S103J
R	718 (A,143 ,56)		RS1/16S1201F
R	719 (A,143 ,57)		RS1/16S1201F
R	720 (A,130 ,55)		RS1/16S103J
R	722 (A,130 ,57)		RS1/16S103J
R	733 (A,142 ,52)		RS1/16S1500F
R	734 (A,145 ,52)		RS1/16S0R0J
R	737 (A,142 ,48)		RS1/16S1500F
R	738 (A,145 ,48)		RS1/16S0R0J
R	741 (A,142 ,45)		RS1/16S1500F
R	742 (A,145 ,45)		RS1/16S0R0J
R	745 (A,142 ,43)		RS1/16S1500F
R	746 (A,145 ,43)		RS1/16S0R0J
R	749 (A,143 ,38)		RS1/16S1500F
R	750 (A,143 ,35)		RS1/16S0R0J
R	753 (A,141 ,38)		RS1/16S1500F
R	754 (A,141 ,35)		RS1/16S0R0J
R	802 (B,145 ,57)		RS1/16S103J
R	811 (B,138 ,28)		RS1/10S75R0F
R	812 (B,141 ,28)		RS1/10S75R0F
R	813 (B,135 ,28)		RS1/10S75R0F
R	814 (B,144 ,28)		RS1/10S75R0F
R	815 (B,147 ,28)		RS1/10S75R0F
R	816 (B,150 ,28)		RS1/10S75R0F
R	911 (A,78 ,48)		RS1/10S6R8J
R	912 (A,78 ,50)		RS1/10S6R8J
R	914 (B,80 ,33)		RS1/16S103J
R	915 (B,68 ,28)		RS1/16S2001F
R	916 (B,70 ,28)		RS1/16S1801F
R	918 (A,80 ,48)		RS1/16S102J
R	919 (B,80 ,29)		RS1/16S103J
R	1001(A,107 ,32)		RS1/10S0R0J
R	1002(A,95 ,33)		RS1/10S100J
R	1003(A,149 ,26)		RS1/10S0R0J
R	1004(A,149 ,28)		RS1/10S0R0J
R	1102(A,68 ,84)		RS1/10S0R0J
R	1105(A,43 ,79)		RS1/10S0R0J
R	1107(B,60 ,53)		RS1/16S0R0J
R	1108(B,61 ,59)		RS1/16S0R0J
R	1301(B,43 ,35)		RS1/10S0R0J
R	1403(A,142 ,91)		RS1/10S0R0J
R	1404(A,146 ,63)		RS1/10S0R0J

CAPACITORS

Mark	No.	Description	Part No.
C	101 (A,46 ,79)		CKSRYB105K10
C	102 (A,52 ,79)		CKSRYB104K16
C	103 (A,54 ,79)		CKSRYB104K16
C	104 (A,55 ,79)		CKSRYB104K16
C	105 (A,57 ,80)		CKSRYB104K16
C	106 (A,58 ,80)		CKSRYB104K16
C	107 (A,60 ,80)		CKSRYB104K16
C	109 (A,63 ,80)		CKSRYB104K16
C	110 (A,64 ,80)		CKSRYB104K16

Mark	No.	Description	Part No.
	C 112 (A,76 ,89)		CEVW101M16
	C 115 (A,80 ,81)		CEVW101M16
	C 116 (B,46 ,74)		CKSRYB105K10
	C 117 (A,43 ,77)		CKSRYB105K10
	C 118 (B,49 ,70)		CKSRYB104K16
	C 119 (B,46 ,70)		CKSRYB104K16
	C 120 (B,49 ,66)		CKSRYB104K16
	C 121 (B,46 ,66)		CKSRYB105K10
	C 122 (B,49 ,60)		CKSRYB104K16
	C 123 (B,45 ,60)		CKSRYB104K16
	C 124 (B,45 ,56)		CKSRYB104K16
	C 125 (A,39 ,84)		CEVW101M16
	C 126 (A,46 ,50)		CKSRYB104K16
	C 127 (A,47 ,50)		CKSRYB104K16
	C 128 (A,49 ,50)		CKSRYB104K16
	C 129 (A,68 ,53)		CKSRYB104K16
	C 130 (A,52 ,50)		CKSRYB104K16
	C 131 (A,54 ,50)		CKSRYB104K16
	C 132 (A,56 ,50)		CKSRYB104K16
	C 133 (B,58 ,53)		CKSRYB104K16
	C 134 (B,58 ,59)		CKSRYB104K16
	C 135 (A,67 ,47)		CKSRYB103K50
	C 136 (A,65 ,51)		CKSRYB103K50
	C 137 (A,58 ,45)		CCSRCH120J50
	C 138 (A,61 ,45)		CCSRCH100D50
	C 139 (B,67 ,72)		CKSRYB104K16
	C 140 (B,67 ,68)		CKSRYB104K16
	C 141 (B,69 ,68)		CKSRYB104K16
	C 142 (B,67 ,63)		CKSRYB104K16
	C 143 (B,66 ,59)		CKSRYB104K16
	C 144 (A,64 ,83)		CKSRYB103K50
	C 145 (A,57 ,86)		CKSRYB103K50
	C 151 (A,22 ,65)		CKSRYB104K16
	C 153 (A,33 ,86)		CKSRYB104K16
	C 161 (A,31 ,45)		CKSRYB104K16
	C 171 (A,32 ,64)		CKSRYB104K16
	C 173 (A,23 ,45)		CKSRYB104K16
	C 191 (A,49 ,47)		CKSRYB104K16
	C 192 (A,44 ,82)		CKSRYB103K50
	C 201 (A,80 ,44)		CKSRYB104K16
	C 301 (A,57 ,39)		CKSRYB104K16
	C 302 (A,51 ,39)		CKSRYB104K16
	C 303 (A,49 ,39)		CKSRYB104K16
	C 304 (B,49 ,26)		CKSRYB104K16
	C 305 (B,53 ,30)		CKSRYB105K10
	C 308 (B,49 ,30)		CKSRYB104K16
	C 311 (B,45 ,35)		CKSRYB104K16
	C 312 (A,58 ,20)		CKSRYB105K10
	C 313 (B,51 ,22)		CKSRYB104K16
	C 314 (A,50 ,20)		CKSRYB104K16
	C 315 (B,40 ,20)		CKSRYB103K50
	C 316 (A,67 ,41)		CEVW101M16
	C 317 (A,39 ,42)		CEVW101M16
	C 318 (B,56 ,30)		CKSRYB105K10
	C 319 (B,59 ,32)		CKSRYB104K16
	C 351 (B,20 ,33)		CKSRYB104K16
	C 391 (A,39 ,37)		CKSRYB104K16
	C 392 (A,42 ,49)		CKSRYB103K50
	C 401 (A,122 ,82)		CEVW101M16
	C 402 (A,127 ,80)		CKSRYB104K16
	C 403 (A,127 ,75)		CKSRYB104K16
	C 404 (A,127 ,72)		CKSRYB104K16
	C 405 (A,139 ,63)		CKSRYB104K16
	C 406 (A,145 ,64)		CKSRYB104K16
	C 407 (B,146 ,65)	CHIP CAPACITOR	CKSRYB823K25
	C 408 (B,139 ,65)		CKSRYB103K50
	C 409 (A,133 ,58)		CCSRCH100D50
	C 410 (A,137 ,58)		CCSRCH8R0D50
	C 411 (A,144 ,87)		CKSRYB104K16
	C 412 (A,143 ,87)		CKSRYB102K50
	C 413 (B,141 ,81)		CKSRYB104K16
	C 415 (B,141 ,77)		CKSRYB104K16
	C 417 (B,147 ,77)		CKSRYB103K50
	C 418 (B,149 ,77)		CKSRYB104K16
	C 419 (B,152 ,76)	ELECT. CAPACITOR	DCH1201
	C 420 (B,154 ,74)		CKSRYB104K16
	C 421 (A,150 ,75)		CKSRYB104K16
	C 422 (A,154 ,74)		CKSRYB104K16
	C 423 (A,150 ,73)		CKSRYB104K16
	C 424 (B,147 ,73)		CKSRYB103K50
	C 425 (B,149 ,73)		CKSRYB104K16
	C 426 (B,152 ,71)	ELECT. CAPACITOR	DCH1201
	C 427 (B,154 ,70)		CKSRYB104K16
	C 434 (A,150 ,80)		CEVW100M16
	C 435 (A,158 ,74)		CEVW100M16
	C 436 (A,154 ,68)		CEVW101M16
	C 437 (B,147 ,85)		CKSRYB103K50
	C 438 (A,138 ,87)		CKSRYB104K16
	C 439 (A,149 ,88)		CEVW101M16
	C 452 (A,107 ,78)		CKSRYB104K16
	C 453 (A,115 ,69)		CKSRYB104K16
	C 454 (A,112 ,67)		CKSRYB104K16
	C 501 (A,104 ,59)		CKSRYB103K50
	C 502 (A,99 ,63)		CKSRYB104K16
	C 503 (A,89 ,89)		CEVW101M16
	C 505 (B,105 ,79)		CKSRYB104K16
	C 506 (B,80 ,78)		CKSRYB104K16
	C 507 (A,95 ,47)		CKSRYB104K16
	C 551 (A,91 ,80)		CKSRYB104K16
	C 552 (A,92 ,55)		CKSRYB104K16
	C 571 (A,22 ,11)		CKSRYB104K16
	C 601 (A,151 ,41)		CKSRYB104K16
	C 602 (A,152 ,46)		CEVW101M16
	C 603 (A,152 ,30)		CKSRYB104K16
	C 604 (A,154 ,30)		CKSRYB104K16
	C 605 (A,155 ,30)		CKSRYB104K16
	C 606 (A,158 ,30)		CKSRYB104K16
	C 607 (A,160 ,30)		CKSRYB104K16
	C 608 (B,160 ,39)		CKSRYB104K16
	C 609 (B,160 ,28)		CKSRYB105K10
	C 610 (B,158 ,28)		CKSRYB105K10
	C 611 (A,160 ,37)		CKSRYB104K16
	C 701 (A,126 ,49)		CKSRYB104K16
	C 702 (A,126 ,40)		CKSRYB104K16
	C 703 (A,123 ,58)		CEVW101M16
	C 704 (A,138 ,37)		CKSRYB104K16
	C 705 (A,133 ,36)		CKSRYB104K16
	C 706 (A,142 ,53)		CKSRYB104K16
	C 707 (A,142 ,50)		CKSRYB104K16
	C 708 (A,142 ,46)		CKSRYB104K16

Mark	No.	Description	Part No.
	C 709 (A,142 ,41)		CKSRYB104K16
	C 710 (A,147 ,34)		CEVW101M16
	C 711 (A,132 ,52)		CKSRYB103K50
	C 712 (A,142 ,54)		CKSRYB104K16
	C 713 (A,128 ,52)		CKSRYB104K16
	C 714 (A,148 ,39)		CKSRYB105K10
	C 801 (A,152 ,53)		CEVW101M16
	C 802 (B,133 ,39)		CKSRYB104K16
	C 804 (B,135 ,53)		CKSRYB104K16
	C 805 (B,138 ,53)		CKSRYB105K10
	C 806 (B,140 ,53)		CKSRYB105K10
	C 807 (B,143 ,53)		CKSRYB104K16
	C 808 (B,147 ,53)		CKSRYB105K10
	C 809 (B,150 ,53)		CKSRYB104K16
	C 810 (B,152 ,53)		CKSRYB104K16
	C 811 (A,152 ,60)		CEVW101M16
	C 901 (B,105 ,30)		CKSRYB105K10
	C 902 (B,101 ,30)		CKSQYB225K10
	C 904 (B,97 ,30)		CKSRYB105K10
	C 905 (B,88 ,33)	CHIP CERAMIC C.	DCG1028
	C 907 (B,118 ,34)		CKSRYB105K10
	C 908 (B,109 ,30)		CKSQYB225K10
	C 910 (B,117 ,57)		CKSRYB105K10
	C 911 (B,117 ,52)		CCSRCH471J50
	C 912 (B,122 ,48)		CKSQYB225K10
	C 915 (B,75 ,29)		CKSRYB224K16
	C 916 (B,75 ,33)		CKSQYB105K16
	C 917 (B,65 ,39)		CKSRYB104K16
	C 918 (A,72 ,33)		CEVW101M16
	C 1001(A,100 ,27)		CKSRYB104K16
	C 1002(A,101 ,31)		CEVW101M16

• FM/AM TUNER MODULE

FM/AM TUNER MODULE has no service parts.

6. ADJUSTMENT

There is no information to be shown in this chapter.

7. GENERAL INFORMATION

7.1 DIAGNOSIS

7.1.1 TEST MODE

■ Version indication

[Purpose]

The versions for various microcomputers and DSP firmware are displayed.

[How to enter/exit]

During Standby mode, simultaneously press and hold the STANDBY/ON and STANDARD SURROUND keys for 5 seconds to enter this mode. This mode is automatically exited when the indications of all versions have finished.

[Basic operations]

FL Display	Description of Version Indications	Duration (sec.)	Devices that can be considered generally normal, with the corresponding indications
POWER OFF ↓			
M1.000 F1.000 ↓	Mx.xxx : Main microcomputer Fx.xxx : Display microcomputer	5	Main microcomputer and display microcomputer
D1.000 H1.000 ↓	Dx.xxx : DSP microcomputer Hx.xxx : HDMI microcomputer	5	DSP microcomputer and HDMI microcomputer
HOST 00 ↓	HOST microcomputer (only VSX-74TXVi)	5	HOST microcomputer for iLINK connection
f1.000 s1.000 ↓	fx.xxx : 1st DSP firmware sx.xxx : 2nd DSP firmware	5	1st DSP firmware : Flash ROM (IC105) near the DSP IC 2nd DSP firmware : Flash ROM within the DSP IC (IC201)
Normal display			

[Notes]

1. If the version indication becomes "**," a failure in communications between the corresponding microcomputers or a failure in the corresponding microcomputers is likely.
2. In this submode, the user settings will not be cleared.

■ Detected protection history

[Purpose]

The numbers of detections for various protection processes are displayed.

[How to enter/exit]

During Standby mode, simultaneously press and hold the ADVANCED SURROUND and "↑" (TUNE +) keys for 5 seconds to enter this mode. This mode is automatically exited when all the indications have finished.

[Basic operations]

FL Display	Description of Indications	Duration (sec.)
POWER OFF		
↓		
DC : 000	Number of DC detections	3
↓		
OVER: 010	Number of overload detections	3
↓		
CON : 002	Number of detections of cord disconnection (DC and OL DET line) (simultaneous detections of DC and OVERLOAD)	3
↓		
FAN : 000	Number of detections of fan abnormalities *1	3
↓		
TEMP: 255	Number of detections of abnormal temperature	3
↓		
Normal display		

*1 The number is not counted in this North America model, because these models have no FAN.

[Description]

When the keys are pressed, the numbers of DC detections, overload detections, detections of connectors disconnection inside unit (It is detected by both DC and OVERLOAD detections.),
and detections of abnormal temperature are displayed for 3 seconds each, in that order.
The maximum value of each detections is 255.

■ Error indications when an abnormality in the amplifier system is detected

[Purpose]

An error message is displayed when an abnormality in the amplifier system is detected.

[Error Messages]

FL Display	Status	Duration (sec.)
AMP ERROR	When AMP DC is detected	Flashes 3 times.
OVERHEAT	When a thermal shutdown (abnormal temperature), etc. is detected	Flashes 3 times.
12V TRG ERR	When the 12-V trigger circuit is short-circuited	Flashes

[Description]

AMP ERROR : After a failure in the amplifier block or high DC output is detected, the shutdown process starts, then the power will be shut off. Then the MCACC LED will flash. The power cannot be turned on again. If you wish to turn on the unit after a shutdown activated by DC detection, enter Test mode, by proceeding with the steps described in "How to enter release mode" below.

OVERHEAT : The temperature of the amplifier is abnormally high.

12V TRG ERR : The 12-V trigger output is short-circuited.

After a failure is detected, the shutdown process starts, then the power will be off. The power can be turned on again in Normal mode.

[How to enter release mode]

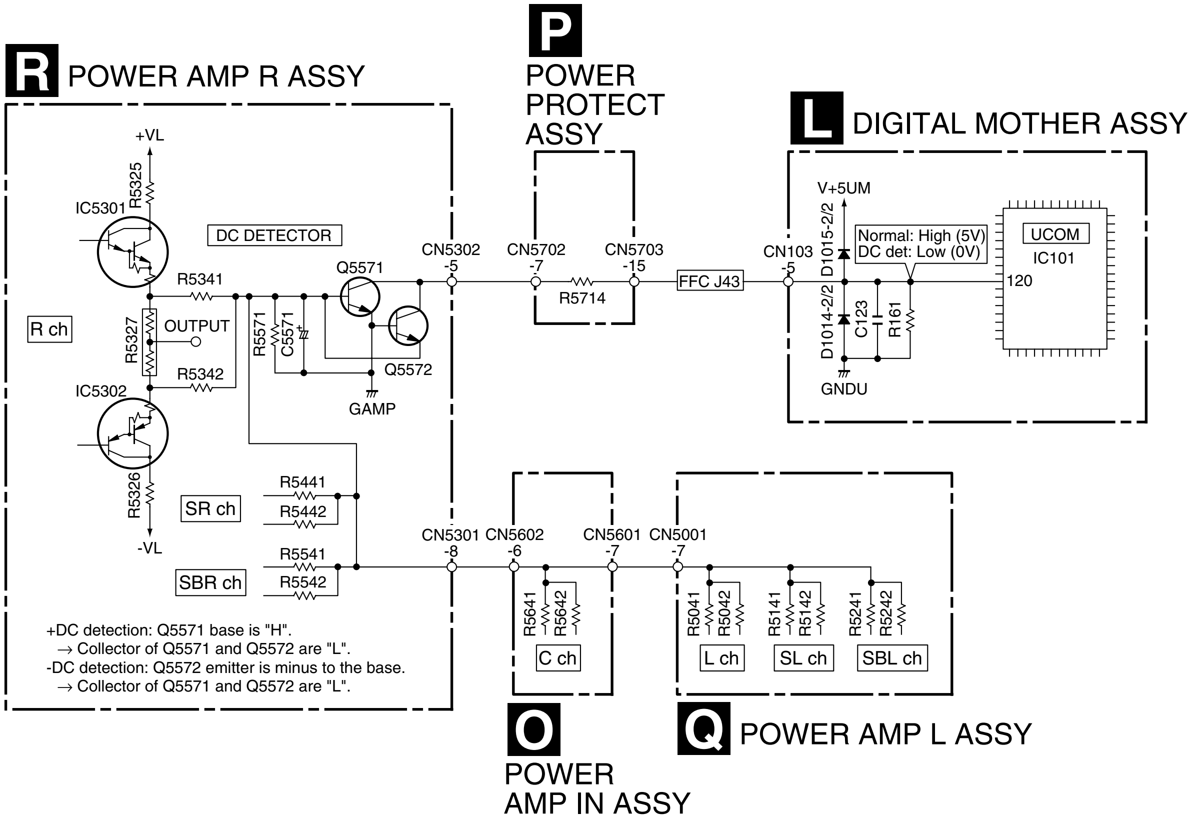
Press and hold "ADVANCED SURROUND" and "ENTER" keys on the front panel simultaneously for 5 seconds in standby mode.

7.1.2 PROTECTION CIRCUIT SPECIFICATION

● Protection Circuit Process List

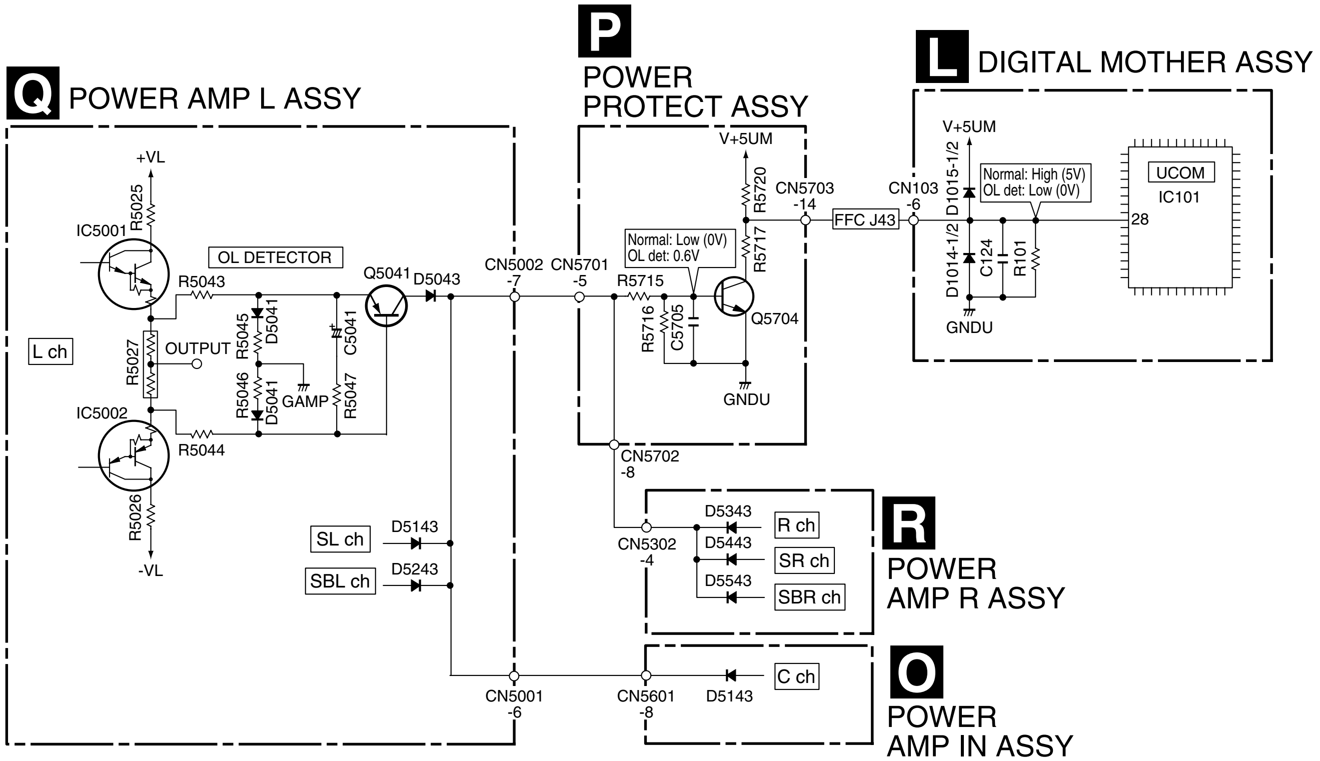
Item	Purpose	Detection Method	Process	Warning Indication	Remarks
DC detection	To detect amplifier damage (defect status) A process to protect speakers (for protection of connected external devices)	Detects when the DC_PROTECT port becomes "L". (Pin 120 of IC101)	Turns muting on and speaker relay off, then turns off the power after 3 seconds. Then flashes MCACC indicator.	Flashing "AMP ERR" for 3 seconds.	Once detected and turned the power off, input a key never again. If the DC_DET port becomes "L" within 3 seconds, the unit returns to normal condition automatically.
AMP overload	To detect overloading (abnormal status) With low-load driving or a short circuit of the speaker terminals (for protection of the amplifier)	Detects when the OL_DET port becomes "L" (checks by interrupt). (Pin 28 of IC101)	Turns muting on and speaker relay off, and immediately turns off the power. Then flashes PHASE CONTROL indicator.	None	
Overheat detection	Self reset type protection feature by temperature-rise of heat sink	Detects when the TEMP2 port becomes "H" . (Pin 44 of IC3201)	Turns muting on and speaker relay off, then turns off the power after 3 seconds.	Flashing "OVERHEAT" for 3 seconds.	If the TEMP2 port becomes "L" within 3 seconds, the unit returns to normal condition automatically.
12V trigger failure detection	To detect the shortcircuit of 12V trigger output (load more than 50mA) (for protection of the amplifier)	Detects when the 12VDET port becomes "H" . (Pin 41 of IC3201)	Turns 12V trigger output to off.	Flashing "12V TRG ERR" for 3 seconds.	Continue showing warning. Release the FL indication by switching the INPUT SEL or the turns the power off.

● DC Detection Circuit


P
POWER PROTECT ASSY
R
POWER AMP R ASSY
L
DIGITAL MOTHER ASSY
+VL
R5325
IC5301
DC DETECTOR
R5341
Q5571
R ch
R5327
OUTPUT
R5571
C5571
Q5572
R5342
IC5302
GAMP
CN5302
-5
CN5702
-7
CN5703
-15
R5714
FFC J43
CN103
-5
V+5UM
D1015-2/2
Normal: High (5V)
DC det: Low (0V)
UCOM
IC101
120
D1014-2/2
C123
R161
GNDU
R5326
-VL
SR ch
R5441
R5442
SBR ch
R5541
R5542
CN5301
-8
CN5602
-6
CN5601
-7
CN5001
-7
R5641
R5642
C ch
R5041
R5042
L ch
R5141
R5142
SL ch
R5241
R5242
SBL ch
O
POWER AMP IN ASSY
Q
POWER AMP L ASSY

+DC detection: Q5571 base is "H".
→ Collector of Q5571 and Q5572 are "L".
-DC detection: Q5572 emitter is minus to the base.
→ Collector of Q5571 and Q5572 are "L".

● OL (Over Load) Detection Circuit


P
POWER PROTECT ASSY
L
DIGITAL MOTHER ASSY
Q
POWER AMP L ASSY
+VL
R5025
IC5001
OL DETECTOR
R5043
Q5041
D5043
CN5002 -7
CN5701 -5
R5715
L ch
R5027
OUTPUT
R5045
D5041
C5041
R5046
D5041
GAMP
R5047
IC5002
R5044
R5026
-VL
V+5UM
R5720
CN5703 -14
R5717
Normal: Low (0V)
OL det: 0.6V
R5716
C5705
Q5704
GNDU
CN5702 -8
FFC J43
CN103 -6
V+5UM
D1015-1/2
Normal: High (5V)
OL det: Low (0V)
UCOM
IC101
28
D1014-1/2
C124
R101
GNDU
SL ch
D5143
SBL ch
D5243
CN5302 -4
D5343
R ch
D5443
SR ch
D5543
SBR ch
R
POWER AMP R ASSY
CN5001 -6
CN5601 -8
D5143
C ch
O
POWER AMP IN ASSY

7.1.3 TROUBLESHOOTING THE DSP BLOCK

■ Simplified diagnosis

Herein is described how to easily diagnose a defective part in the DSP Assy, only with operations of the main unit.

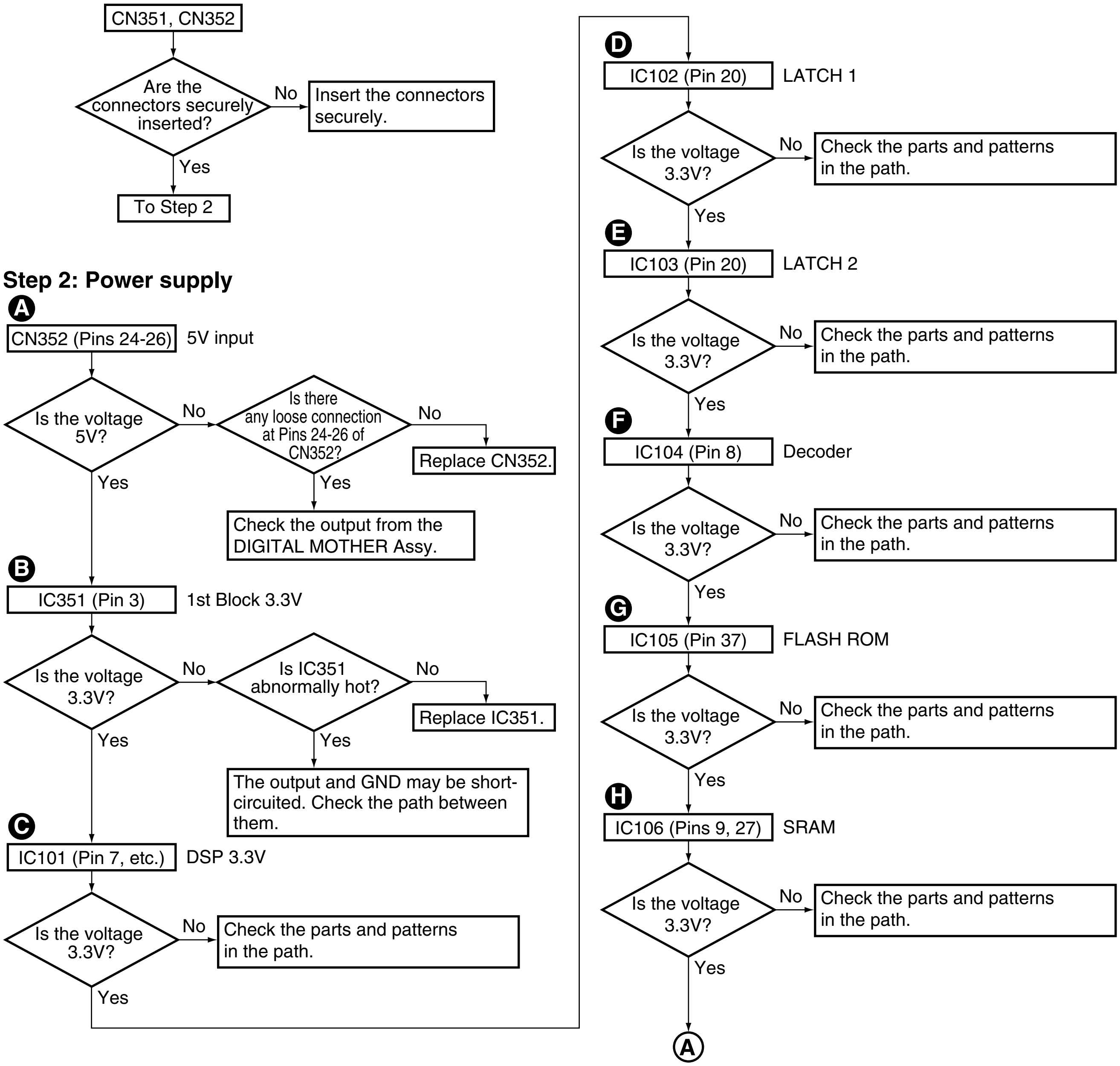
- **Is the DSP Assy a cause of the problem?**
  Input a digital PCM signal (CD, etc.) and check if the sound is output, by switching AUTO SURR/STREAM DIRECT.
  If the sound is output in PURE DIRECT (PCM DIRECT) mode but not in AUTO SURR or DIRECT mode, the DSP Assy may be defective.

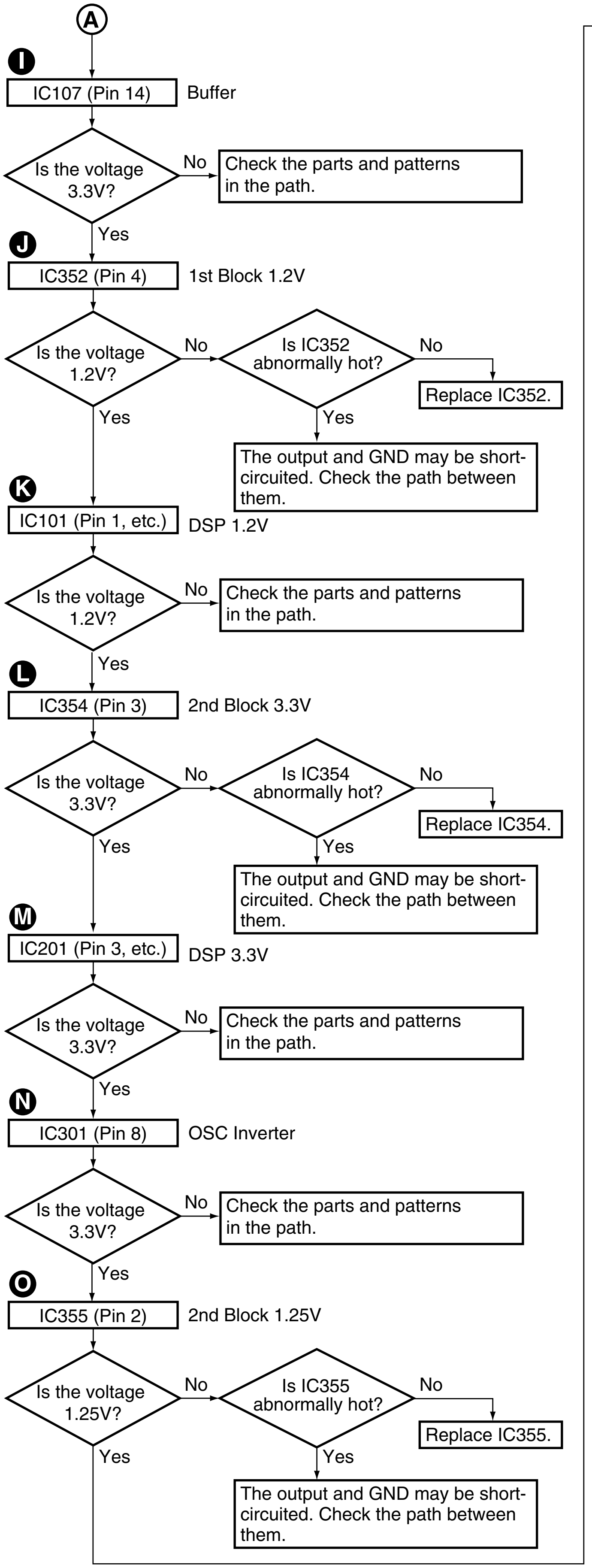
- **If the sound is not output when Sound Delay is ON**
  If the sound is output without a problem when Sound Delay is OFF (0.0 fr) but an abnormality in the sound is detected when Sound Delay is ON (0.1 - 6.0 fr), it is most likely that SRAM (IC106) or DECODER IC (IC104) in the 1st DSP block is in failure.

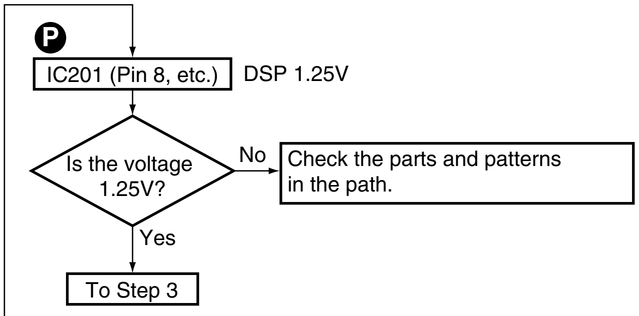
■ Troubleshooting

- It is assumed that there is no loose connection or damage in the LCRs.
- Refer to "DSP Block Diagram" and "DSP Assy check point" as the parts marked Ⓐ to Ⓦ in the troubleshooting are located.

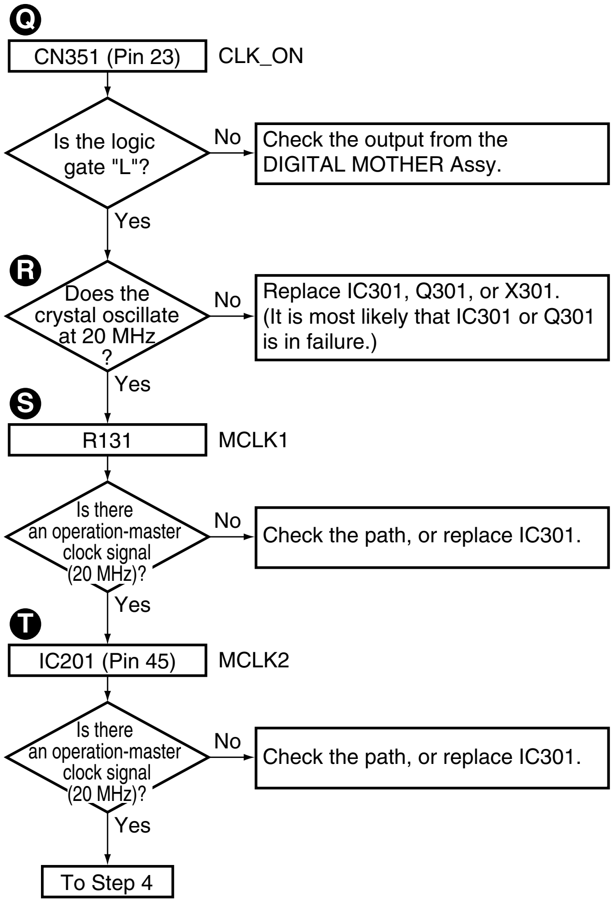
Step 1: Connections


CN351, CN352
Are the connectors securely inserted?
No
Insert the connectors securely.
Yes
To Step 2
Step 2: Power supply
A
CN352 (Pins 24-26)
5V input
Is the voltage 5V?
No
Is there any loose connection at Pins 24-26 of CN352?
No
Replace CN352.
Yes
Check the output from the DIGITAL MOTHER Assy.
Yes
B
IC351 (Pin 3)
1st Block 3.3V
Is the voltage 3.3V?
No
Is IC351 abnormally hot?
No
Replace IC351.
Yes
The output and GND may be short-circuited. Check the path between them.
Yes
C
IC101 (Pin 7, etc.)
DSP 3.3V
Is the voltage 3.3V?
No
Check the parts and patterns in the path.
Yes
D
IC102 (Pin 20)
LATCH 1
Is the voltage 3.3V?
No
Check the parts and patterns in the path.
Yes
E
IC103 (Pin 20)
LATCH 2
Is the voltage 3.3V?
No
Check the parts and patterns in the path.
Yes
F
IC104 (Pin 8)
Decoder
Is the voltage 3.3V?
No
Check the parts and patterns in the path.
Yes
G
IC105 (Pin 37)
FLASH ROM
Is the voltage 3.3V?
No
Check the parts and patterns in the path.
Yes
H
IC106 (Pins 9, 27)
SRAM
Is the voltage 3.3V?
No
Check the parts and patterns in the path.
Yes
Ⓐ

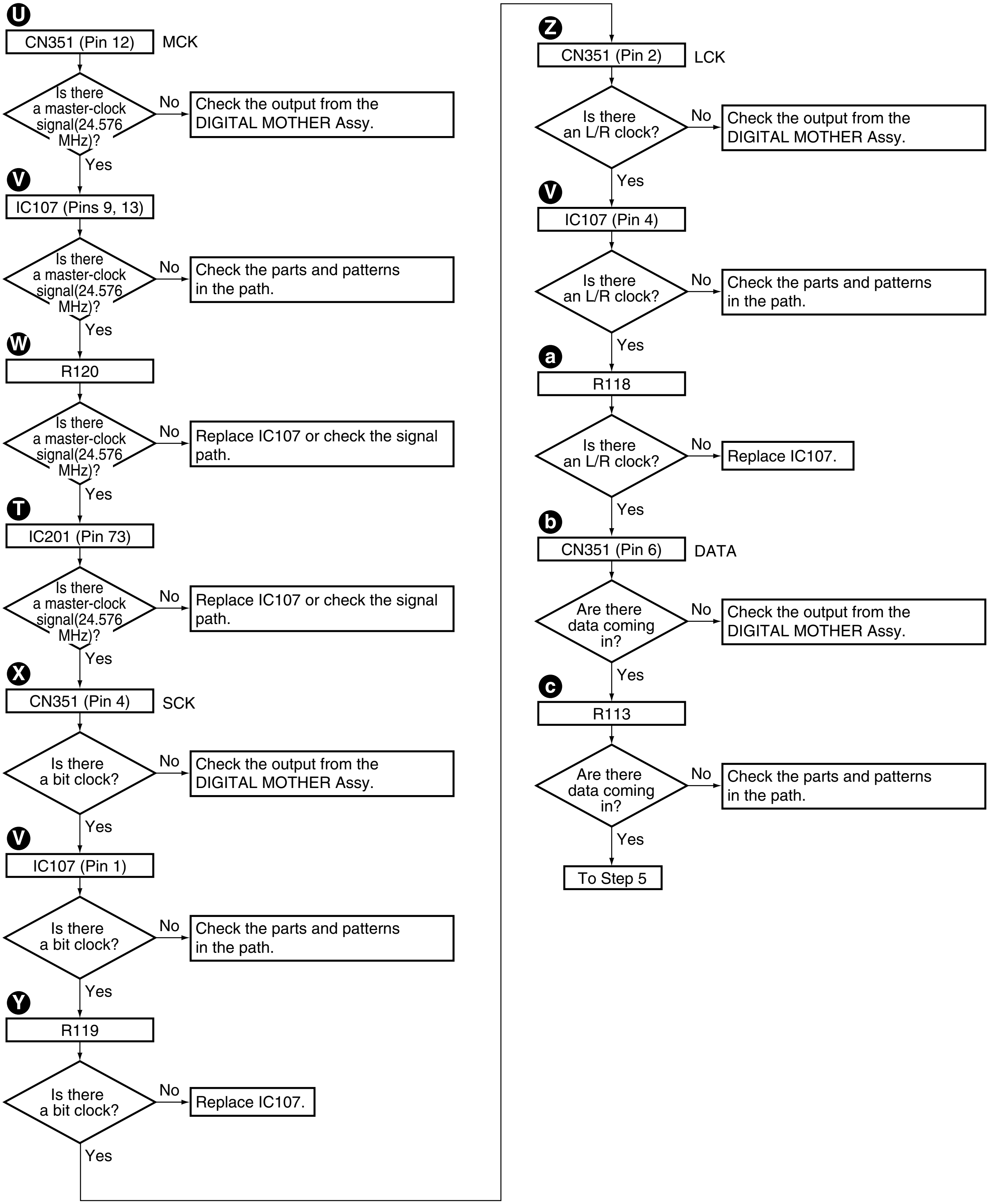

A
I
IC107 (Pin 14)
Buffer
Is the voltage 3.3V?
No
Check the parts and patterns in the path.
Yes
J
IC352 (Pin 4)
1st Block 1.2V
Is the voltage 1.2V?
No
Is IC352 abnormally hot?
No
Replace IC352.
Yes
The output and GND may be short-circuited. Check the path between them.
Yes
K
IC101 (Pin 1, etc.)
DSP 1.2V
Is the voltage 1.2V?
No
Check the parts and patterns in the path.
Yes
L
IC354 (Pin 3)
2nd Block 3.3V
Is the voltage 3.3V?
No
Is IC354 abnormally hot?
No
Replace IC354.
Yes
The output and GND may be short-circuited. Check the path between them.
Yes
M
IC201 (Pin 3, etc.)
DSP 3.3V
Is the voltage 3.3V?
No
Check the parts and patterns in the path.
Yes
N
IC301 (Pin 8)
OSC Inverter
Is the voltage 3.3V?
No
Check the parts and patterns in the path.
Yes
O
IC355 (Pin 2)
2nd Block 1.25V
Is the voltage 1.25V?
No
Is IC355 abnormally hot?
No
Replace IC355.
Yes
The output and GND may be short-circuited. Check the path between them.
Yes


P
IC201 (Pin 8, etc.)
DSP 1.25V
Is the voltage 1.25V?
No
Check the parts and patterns in the path.
Yes
To Step 3

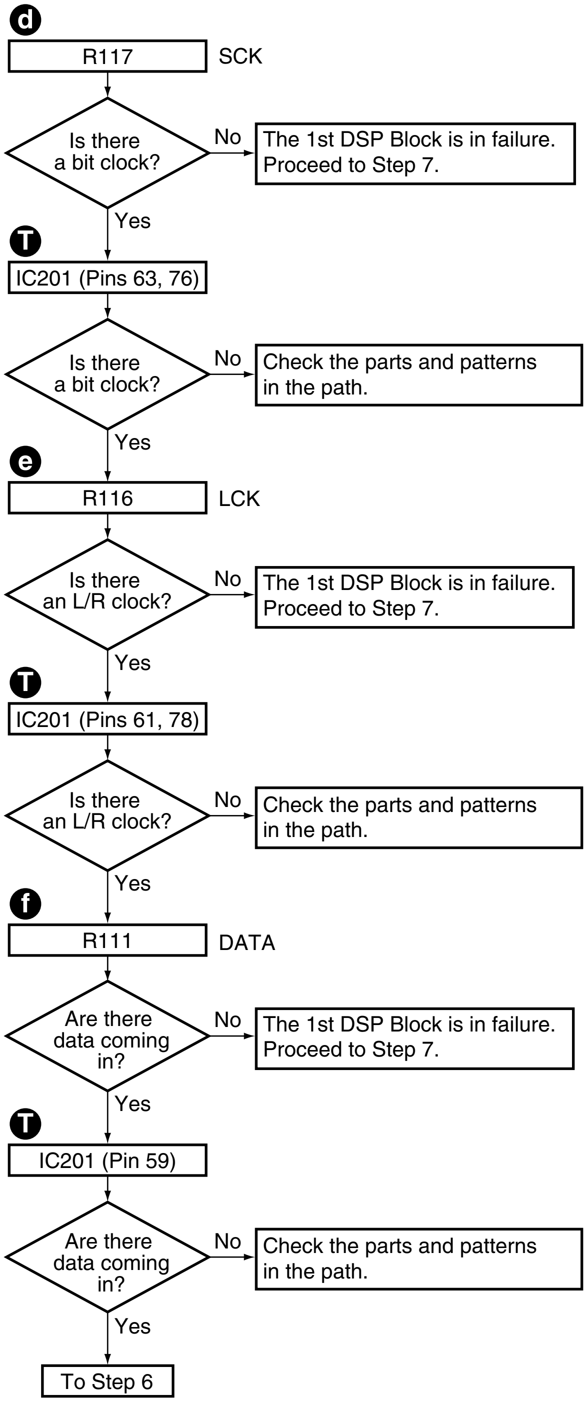
Step 3: Operation of the Master Clock


Q
CN351 (Pin 23)
CLK_ON
Is the logic gate "L"?
No
Check the output from the DIGITAL MOTHER Assy.
Yes
R
Does the crystal oscillate at 20 MHz ?
No
Replace IC301, Q301, or X301. (It is most likely that IC301 or Q301 is in failure.)
Yes
S
R131
MCLK1
Is there an operation-master clock signal (20 MHz)?
No
Check the path, or replace IC301.
Yes
T
IC201 (Pin 45)
MCLK2
Is there an operation-master clock signal (20 MHz)?
No
Check the path, or replace IC301.
Yes
To Step 4

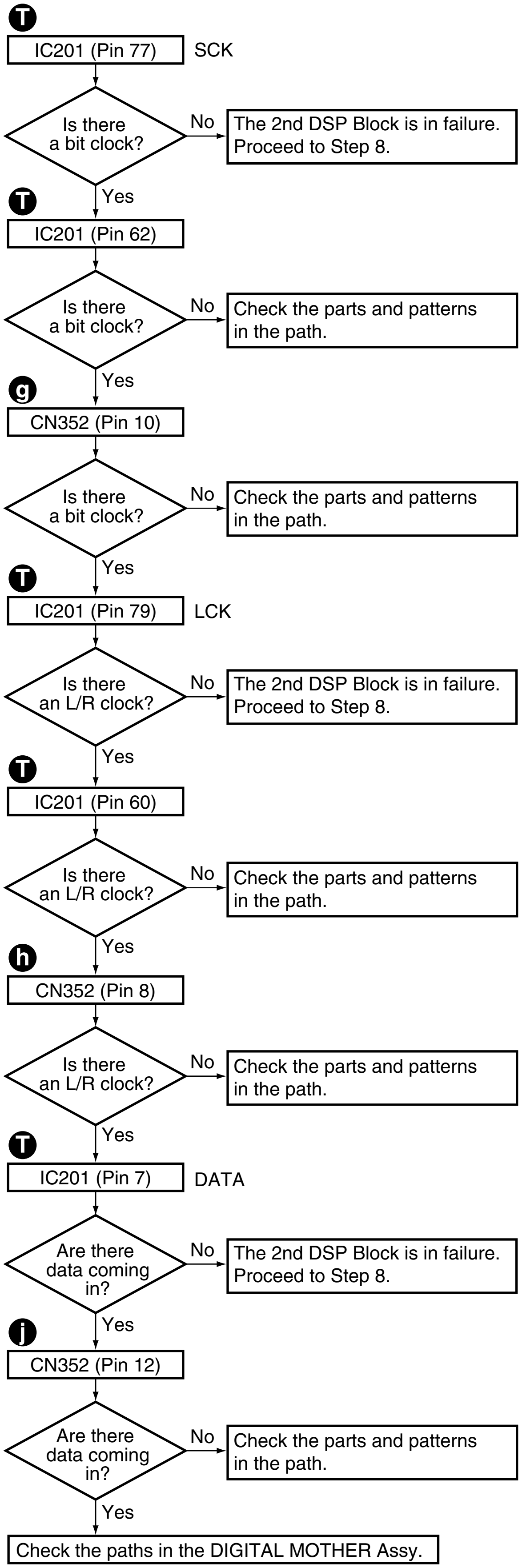
Step 4: Audio Clock


U
CN351 (Pin 12)
MCK
Is there a master-clock signal(24.576 MHz)?
No
Check the output from the DIGITAL MOTHER Assy.
Yes
V
IC107 (Pins 9, 13)
Is there a master-clock signal(24.576 MHz)?
No
Check the parts and patterns in the path.
Yes
W
R120
Is there a master-clock signal(24.576 MHz)?
No
Replace IC107 or check the signal path.
Yes
T
IC201 (Pin 73)
Is there a master-clock signal(24.576 MHz)?
No
Replace IC107 or check the signal path.
Yes
X
CN351 (Pin 4)
SCK
Is there a bit clock?
No
Check the output from the DIGITAL MOTHER Assy.
Yes
V
IC107 (Pin 1)
Is there a bit clock?
No
Check the parts and patterns in the path.
Yes
Y
R119
Is there a bit clock?
No
Replace IC107.
Yes
Z
CN351 (Pin 2)
LCK
Is there an L/R clock?
No
Check the output from the DIGITAL MOTHER Assy.
Yes
V
IC107 (Pin 4)
Is there an L/R clock?
No
Check the parts and patterns in the path.
Yes
a
R118
Is there an L/R clock?
No
Replace IC107.
Yes
b
CN351 (Pin 6)
DATA
Are there data coming in?
No
Check the output from the DIGITAL MOTHER Assy.
Yes
c
R113
Are there data coming in?
No
Check the parts and patterns in the path.
Yes
To Step 5

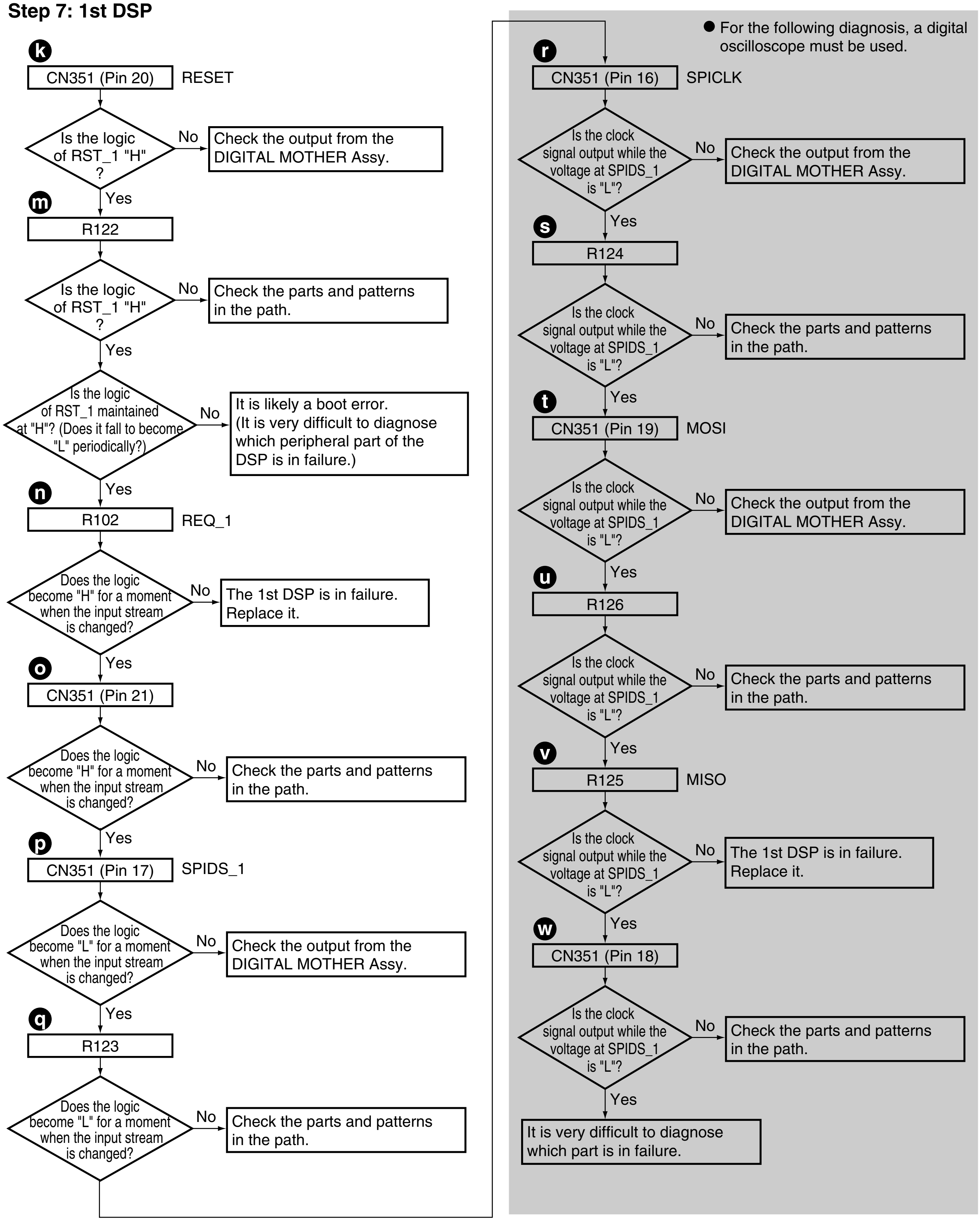
Step 5


d
R117
SCK
Is there a bit clock?
No
The 1st DSP Block is in failure. Proceed to Step 7.
Yes
T
IC201 (Pins 63, 76)
Is there a bit clock?
No
Check the parts and patterns in the path.
Yes
e
R116
LCK
Is there an L/R clock?
No
The 1st DSP Block is in failure. Proceed to Step 7.
Yes
T
IC201 (Pins 61, 78)
Is there an L/R clock?
No
Check the parts and patterns in the path.
Yes
f
R111
DATA
Are there data coming in?
No
The 1st DSP Block is in failure. Proceed to Step 7.
Yes
T
IC201 (Pin 59)
Are there data coming in?
No
Check the parts and patterns in the path.
Yes
To Step 6

Step 6


T
IC201 (Pin 77)
SCK
Is there a bit clock?
No
The 2nd DSP Block is in failure. Proceed to Step 8.
Yes
T
IC201 (Pin 62)
Is there a bit clock?
No
Check the parts and patterns in the path.
Yes
g
CN352 (Pin 10)
Is there a bit clock?
No
Check the parts and patterns in the path.
Yes
T
IC201 (Pin 79)
LCK
Is there an L/R clock?
No
The 2nd DSP Block is in failure. Proceed to Step 8.
Yes
T
IC201 (Pin 60)
Is there an L/R clock?
No
Check the parts and patterns in the path.
Yes
h
CN352 (Pin 8)
Is there an L/R clock?
No
Check the parts and patterns in the path.
Yes
T
IC201 (Pin 7)
DATA
Are there data coming in?
No
The 2nd DSP Block is in failure. Proceed to Step 8.
Yes
j
CN352 (Pin 12)
Are there data coming in?
No
Check the parts and patterns in the path.
Yes
Check the paths in the DIGITAL MOTHER Assy.

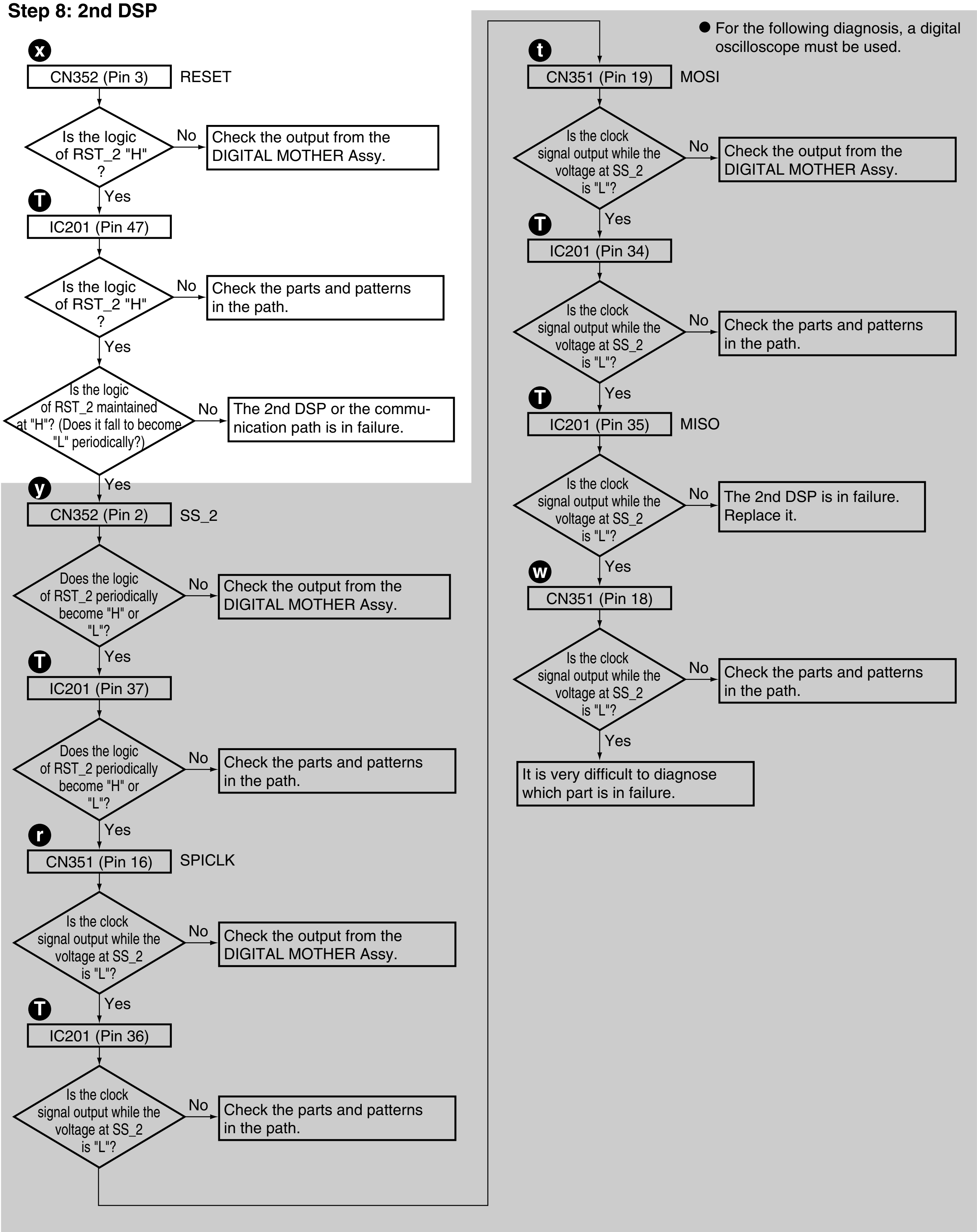
Step 7: 1st DSP



● For the following diagnosis, a digital oscilloscope must be used.

k
CN351 (Pin 20)
RESET
Is the logic of RST_1 "H" ?
No
Check the output from the DIGITAL MOTHER Assy.
Yes
m
R122
Is the logic of RST_1 "H" ?
No
Check the parts and patterns in the path.
Yes
Is the logic of RST_1 maintained at "H"? (Does it fall to become "L" periodically?)
No
It is likely a boot error. (It is very difficult to diagnose which peripheral part of the DSP is in failure.)
Yes
n
R102
REQ_1
Does the logic become "H" for a moment when the input stream is changed?
No
The 1st DSP is in failure. Replace it.
Yes
o
CN351 (Pin 21)
Does the logic become "H" for a moment when the input stream is changed?
No
Check the parts and patterns in the path.
Yes
p
CN351 (Pin 17)
SPIDS_1
Does the logic become "L" for a moment when the input stream is changed?
No
Check the output from the DIGITAL MOTHER Assy.
Yes
q
R123
Does the logic become "L" for a moment when the input stream is changed?
No
Check the parts and patterns in the path.
r
CN351 (Pin 16)
SPICLK
Is the clock signal output while the voltage at SPIDS_1 is "L"?
No
Check the output from the DIGITAL MOTHER Assy.
Yes
s
R124
Is the clock signal output while the voltage at SPIDS_1 is "L"?
No
Check the parts and patterns in the path.
Yes
t
CN351 (Pin 19)
MOSI
Is the clock signal output while the voltage at SPIDS_1 is "L"?
No
Check the output from the DIGITAL MOTHER Assy.
Yes
u
R126
Is the clock signal output while the voltage at SPIDS_1 is "L"?
No
Check the parts and patterns in the path.
Yes
v
R125
MISO
Is the clock signal output while the voltage at SPIDS_1 is "L"?
No
The 1st DSP is in failure. Replace it.
Yes
w
CN351 (Pin 18)
Is the clock signal output while the voltage at SPIDS_1 is "L"?
No
Check the parts and patterns in the path.
Yes
It is very difficult to diagnose which part is in failure.

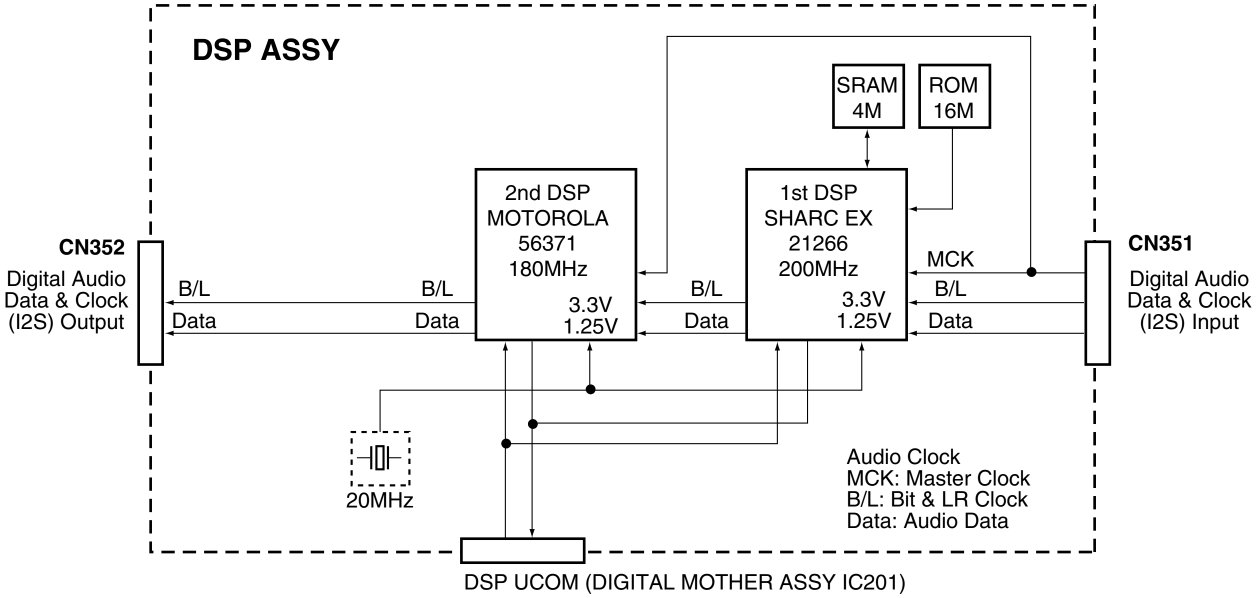
Step 8: 2nd DSP


● For the following diagnosis, a digital oscilloscope must be used.

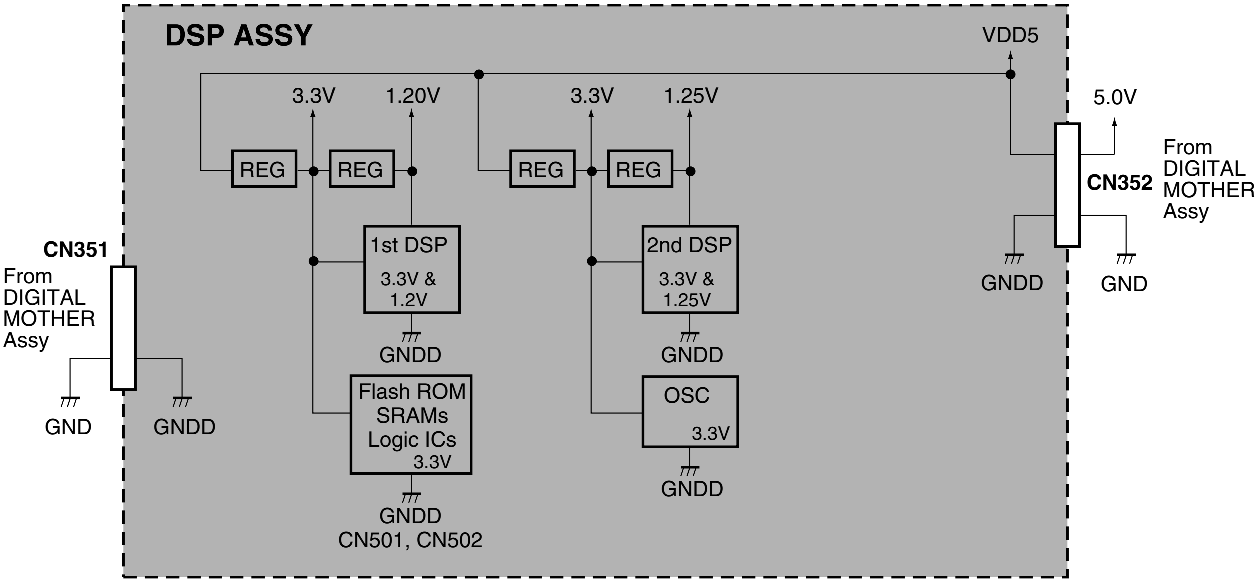
x
CN352 (Pin 3)
RESET
Is the logic of RST_2 "H" ?
No
Check the output from the DIGITAL MOTHER Assy.
Yes
T
IC201 (Pin 47)
Is the logic of RST_2 "H" ?
No
Check the parts and patterns in the path.
Yes
Is the logic of RST_2 maintained at "H"? (Does it fall to become "L" periodically?)
No
The 2nd DSP or the communication path is in failure.
Yes
y
CN352 (Pin 2)
SS_2
Does the logic of RST_2 periodically become "H" or "L"?
No
Check the output from the DIGITAL MOTHER Assy.
Yes
T
IC201 (Pin 37)
Does the logic of RST_2 periodically become "H" or "L"?
No
Check the parts and patterns in the path.
Yes
r
CN351 (Pin 16)
SPICLK
Is the clock signal output while the voltage at SS_2 is "L"?
No
Check the output from the DIGITAL MOTHER Assy.
Yes
T
IC201 (Pin 36)
Is the clock signal output while the voltage at SS_2 is "L"?
No
Check the parts and patterns in the path.
t
CN351 (Pin 19)
MOSI
Is the clock signal output while the voltage at SS_2 is "L"?
No
Check the output from the DIGITAL MOTHER Assy.
Yes
T
IC201 (Pin 34)
Is the clock signal output while the voltage at SS_2 is "L"?
No
Check the parts and patterns in the path.
Yes
T
IC201 (Pin 35)
MISO
Is the clock signal output while the voltage at SS_2 is "L"?
No
The 2nd DSP is in failure. Replace it.
Yes
w
CN351 (Pin 18)
Is the clock signal output while the voltage at SS_2 is "L"?
No
Check the parts and patterns in the path.
Yes
It is very difficult to diagnose which part is in failure.

■ DSP Block Diagram

• CORE Block

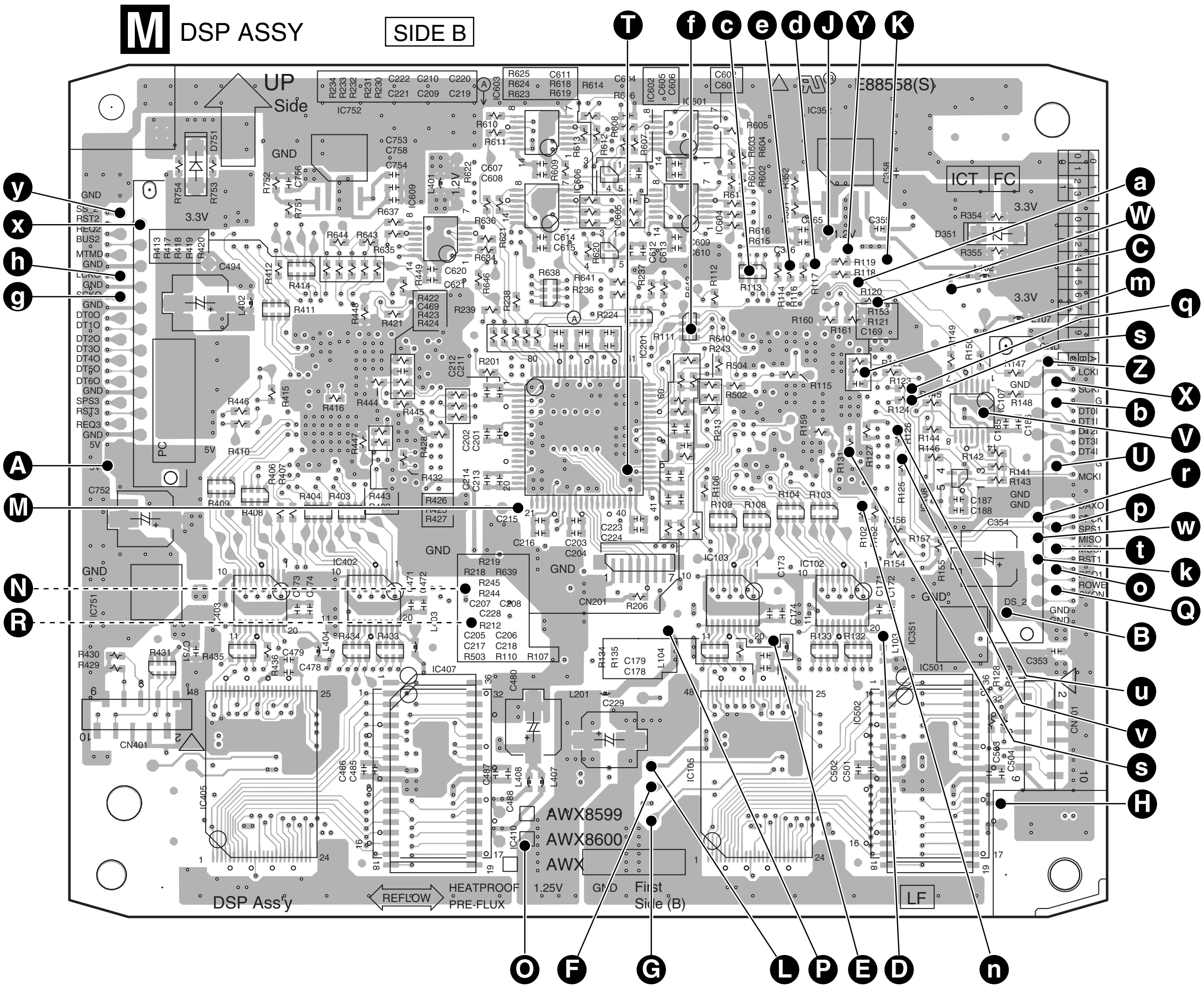

DSP ASSY
SRAM 4M
ROM 16M
2nd DSP MOTOROLA 56371 180MHz
3.3V
1.25V
1st DSP SHARC EX 21266 200MHz
3.3V
1.25V
CN352
Digital Audio Data & Clock (I2S) Output
CN351
Digital Audio Data & Clock (I2S) Input
B/L
Data
MCK
20MHz
Audio Clock
MCK: Master Clock
B/L: Bit & LR Clock
Data: Audio Data
DSP UCOM (DIGITAL MOTHER ASSY IC201)

• Power Block and GND Map


DSP ASSY
VDD5
3.3V
1.20V
3.3V
1.25V
5.0V
REG
REG
REG
REG
From DIGITAL MOTHER Assy
CN352
GNDD
GND
CN351
From DIGITAL MOTHER Assy
1st DSP 3.3V & 1.2V
GNDD
2nd DSP 3.3V & 1.25V
GNDD
Flash ROM SRAMs Logic ICs 3.3V
GNDD
CN501, CN502
OSC 3.3V
GNDD
GND
GNDD

▨ : Shows internal ground (GNDD)

■ DSP Assy Check Points


M DSP ASSY
SIDE B
UP Side
T f c e d J Y K
y x h g A M N R
a W C m q s Z X b V U r p w t k o Q B u v s H
O F G L P E D n
AWX8599
AWX8600
DSP Ass'y
REFLOW
HEATPROOF PRE-FLUX
First Side (B)
LF
ICT FC
3.3V
5V
GND

7.1.4 DIAGNOSIS OF THE HDMI BLOCK AND RELATED SYSTEMS

■ HDMI Simple Diagnosis

Please refer to the one point trouble shooting first before checking the flow chart on the next page.

HDMI

Symptom	Remedy
The HDMI indicator blinks continuously.	Check all the points below.
No picture or sound.	• This receiver is HDCP-compatible. Check that the components you are connecting are also HDCP-compatible. If they are not, please connect them using the component, S-video or composite video jacks. • Depending on the connected source component, itís possible that it will not work with this receiver (even if it is HDCP-compatible). • If the problem still persists when connecting your HDMI component directly to your monitor, please consult the component or monitor manual or contact the manufacturer for support.
No picture.	• If your display device is not SD (480i) compatible then neither the setup screens or the 480i to HDMI converted video will be displayed. In this case, connect using the component, S-video or composite video jacks. • Depending in the output settings of the source component, it may be outputting a video format that can't be displayed. Change the output settings of the source, or connect using the component, S-video or composite jacks.
No sound, or sound suddenly ceases.	• Check that the HDMI AV setting is set to **AMP/THROUGH**. • If the component is a DVI device, use a separate connection for the audio. • If analog video is being output over HDMI then there will be no HDMI audio output. Please use a separate connection for the audio. • Check the audio output settings of the source component.

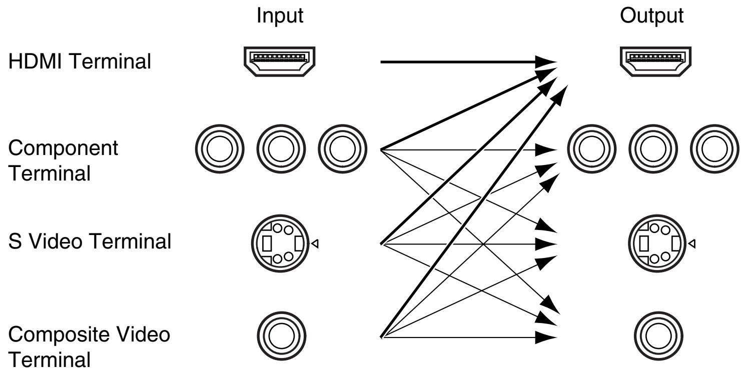
Note:

1 • An HDMI connection can only be made with DVI-equipped components compatible with both DVI and High Bandwidth Digital Content Protection (HDCP). If you choose to connect to a DVI connector, you will need a separate adaptor (DVI → HDMI) to do so. A DVI connection, however, does not support audio signals. Consult your local audio dealer for more information.
- This unit has been designed to be compliant with HDMI (High Definition Multimedia Interface) Version 1.1. Depending on the component you have connected, using a DVI connection may result in unreliable signal transfers. Also, when using a component with HDMI version 1.0, it is not possible to output copy-controlled DVD-Audio CPPM sources from the HDMI connection.
- SACD playback is not possible when using the HDMI connection.

2 To see this receiver's on-screen display, monitors (or projectors) must be compatible with 480i resolution digital video.

Digital Video Converting System

The following chart is for video converting. As you can see HDMI input signal is output to HDMI output terminal only. Other analog inputs can be converted to HDMI output signal.



Note: Down converting for component signal is limited with contents with macro vision.

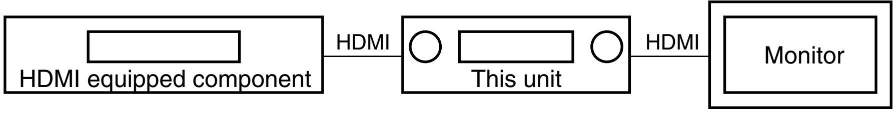
HDMI Audio routing line

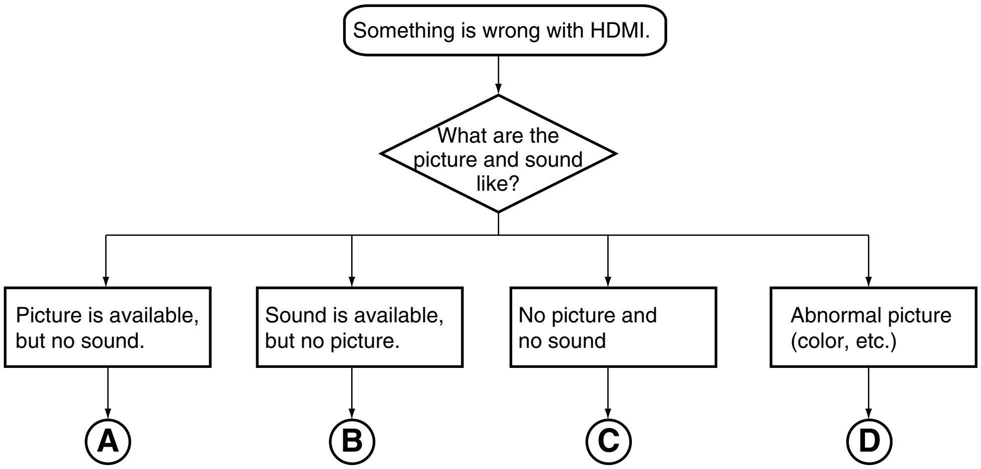
As the audio out from HDMI output terminal, only HDMI input terminal is output. No audio out from other input sources.

Input		Output
HDMI	→	HDMI
		Pre out
		SP Out

■ Status confirmation

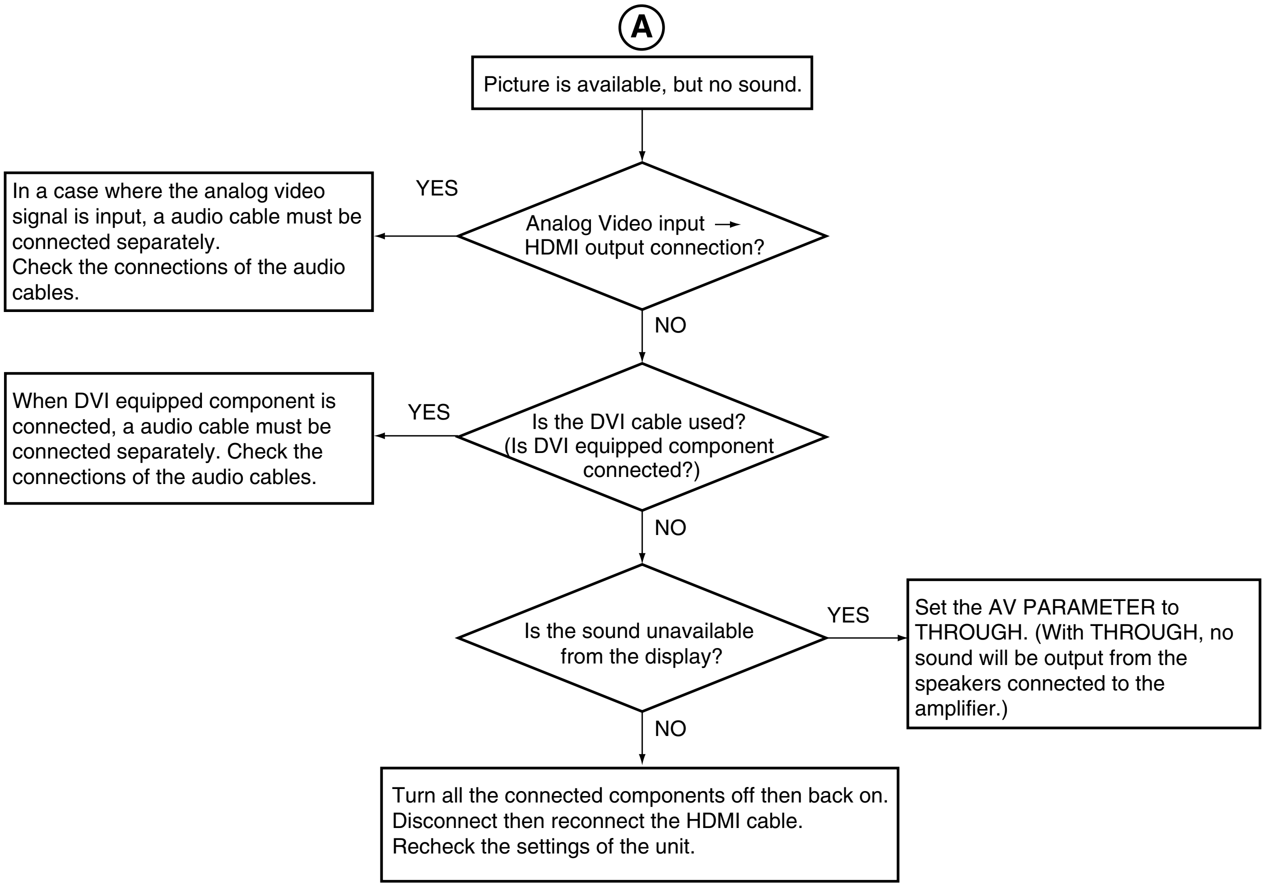
The following charts are based on the HDMI connection below.


HDMI equipped component
HDMI
This unit
HDMI
Monitor

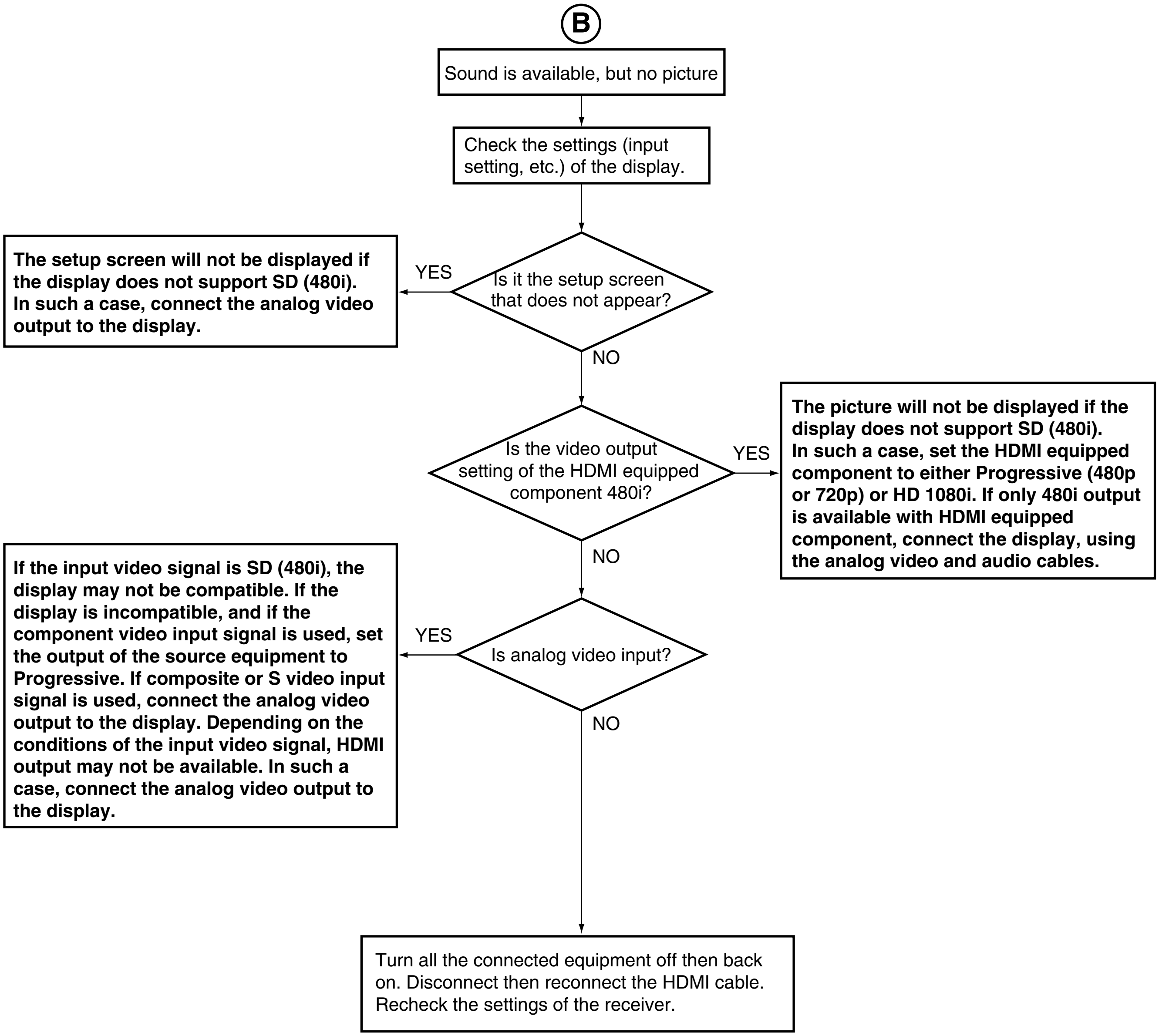

Something is wrong with HDMI.
What are the picture and sound like?
Picture is available, but no sound.
Sound is available, but no picture.
No picture and no sound
Abnormal picture (color, etc.)
A
B
C
D

- In either case, check the connection cables, input selection, and initial settings of the unit first.
- "Analog video" hereinafter means composite, S, or component video.
- "Audio cable" hereinafter means either analog or digital audio connection cables.
- "display" hereinafter means HDMI-compatible monitor or plasma display.

■ In a case where picture is available, but no sound


A
Picture is available, but no sound.
Analog Video input → HDMI output connection?
YES
In a case where the analog video signal is input, a audio cable must be connected separately.
Check the connections of the audio cables.
NO
Is the DVI cable used? (Is DVI equipped component connected?)
YES
When DVI equipped component is connected, a audio cable must be connected separately. Check the connections of the audio cables.
NO
Is the sound unavailable from the display?
YES
Set the AV PARAMETER to THROUGH. (With THROUGH, no sound will be output from the speakers connected to the amplifier.)
NO
Turn all the connected components off then back on.
Disconnect then reconnect the HDMI cable.
Recheck the settings of the unit.

■ In a case where the sound is available, but no picture



Sound is available, but no picture

Check the settings (input setting, etc.) of the display.

Is it the setup screen that does not appear?

The setup screen will not be displayed if the display does not support SD (480i). In such a case, connect the analog video output to the display.

Is the video output setting of the HDMI equipped component 480i?

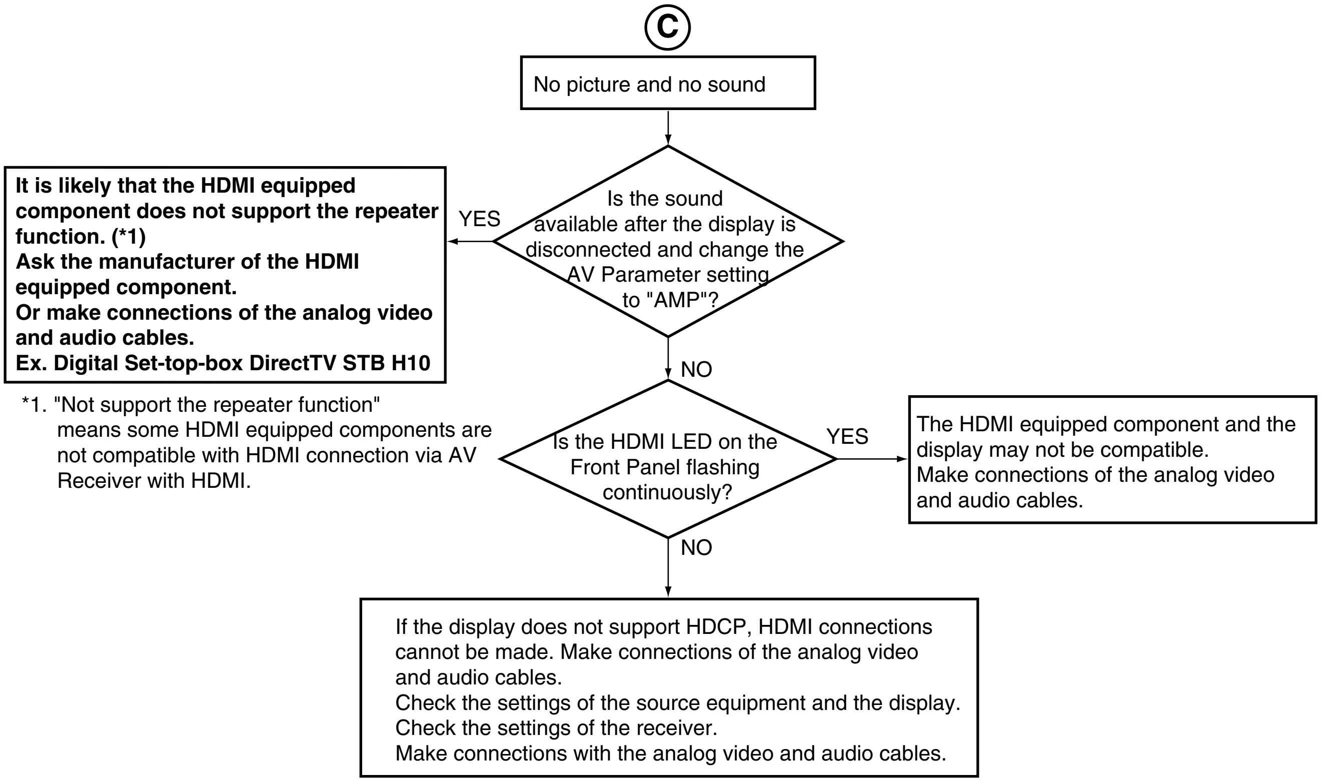
The picture will not be displayed if the display does not support SD (480i). In such a case, set the HDMI equipped component to either Progressive (480p or 720p) or HD 1080i. If only 480i output is available with HDMI equipped component, connect the display, using the analog video and audio cables.

Is analog video input?

If the input video signal is SD (480i), the display may not be compatible. If the display is incompatible, and if the component video input signal is used, set the output of the source equipment to Progressive. If composite or S video input signal is used, connect the analog video output to the display. Depending on the conditions of the input video signal, HDMI output may not be available. In such a case, connect the analog video output to the display.

Turn all the connected equipment off then back on. Disconnect then reconnect the HDMI cable. Recheck the settings of the receiver.

■ In a case of no picture and no sound



No picture and no sound

Is the sound available after the display is disconnected and change the AV Parameter setting to "AMP"?

It is likely that the HDMI equipped component does not support the repeater function. (*1)
Ask the manufacturer of the HDMI equipped component.
Or make connections of the analog video and audio cables.
Ex. Digital Set-top-box DirectTV STB H10

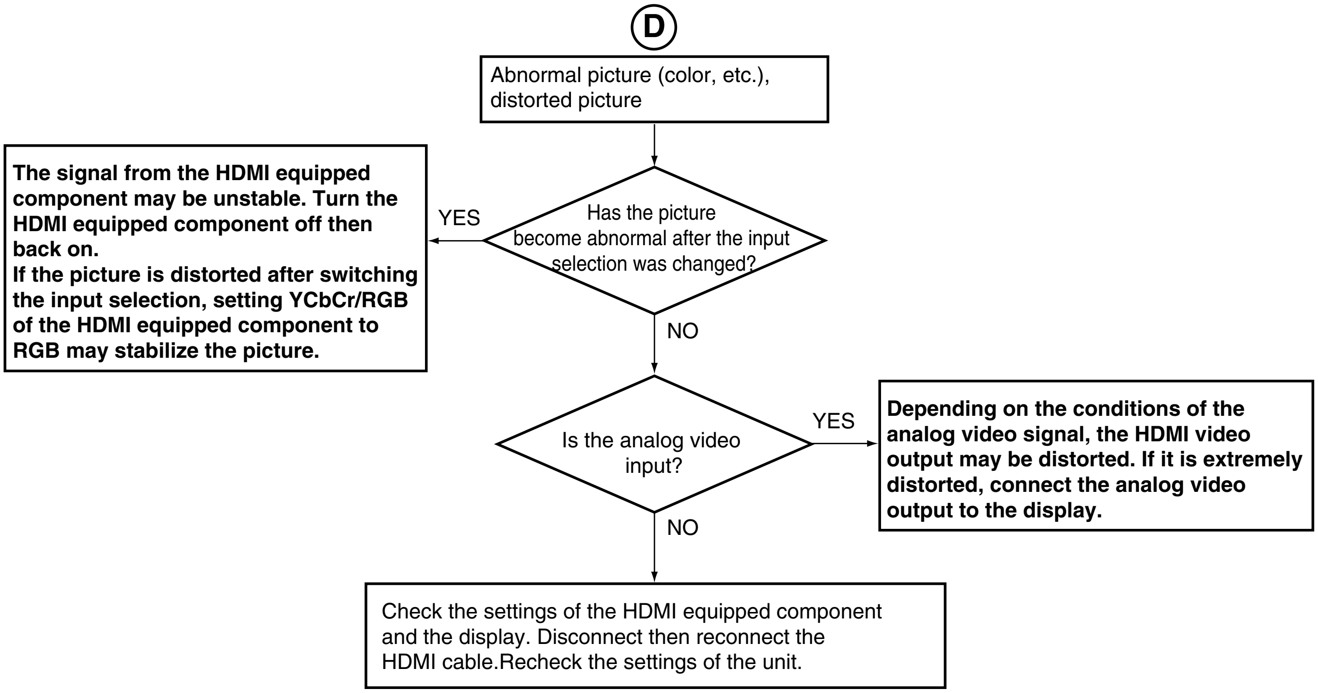
*1. "Not support the repeater function" means some HDMI equipped components are not compatible with HDMI connection via AV Receiver with HDMI.

Is the HDMI LED on the Front Panel flashing continuously?

The HDMI equipped component and the display may not be compatible.
Make connections of the analog video and audio cables.

If the display does not support HDCP, HDMI connections cannot be made. Make connections of the analog video and audio cables.
Check the settings of the source equipment and the display.
Check the settings of the receiver.
Make connections with the analog video and audio cables.

■ In a case of abnormal picture



Abnormal picture (color, etc.), distorted picture

Has the picture become abnormal after the input selection was changed?

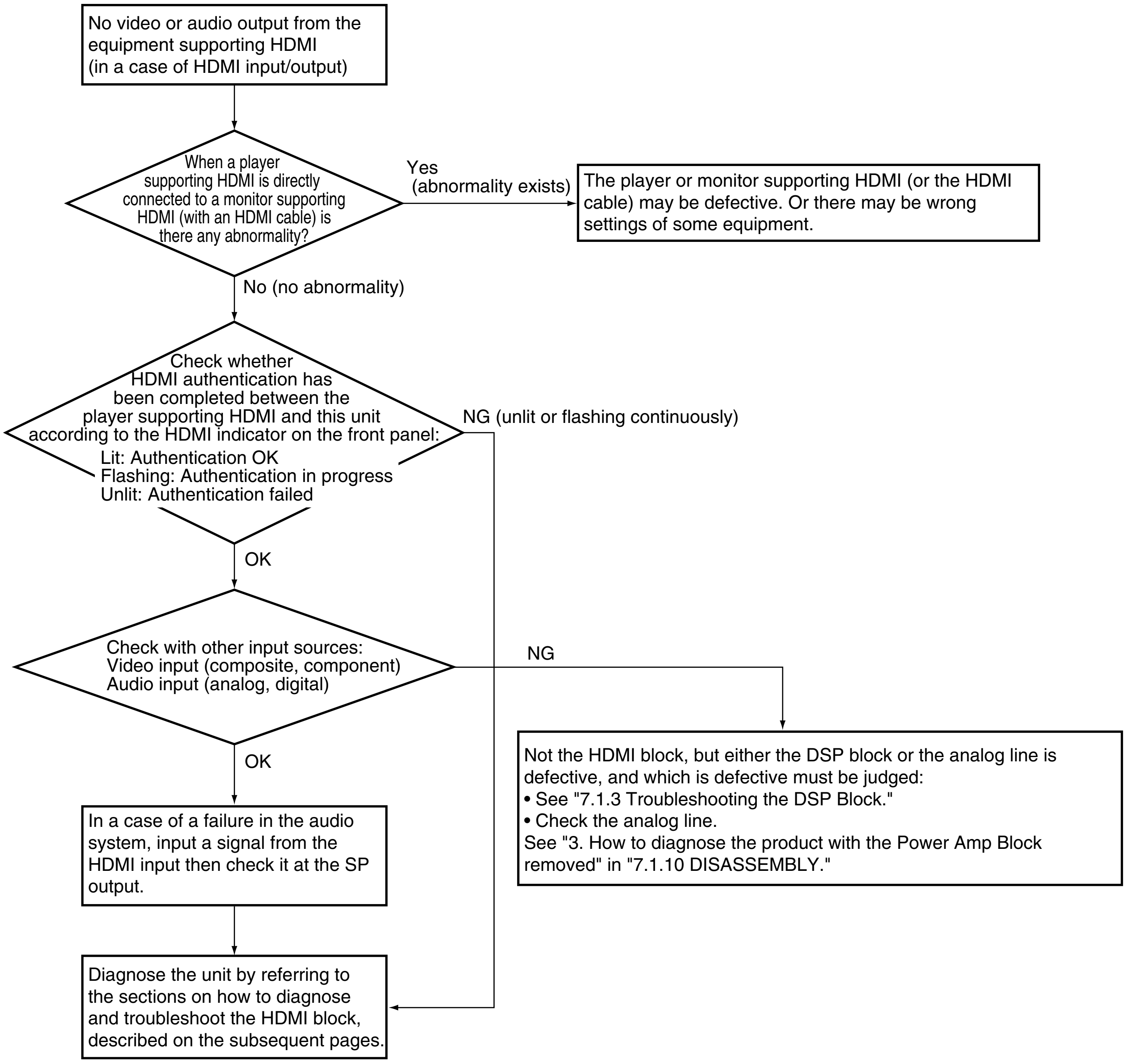
The signal from the HDMI equipped component may be unstable. Turn the HDMI equipped component off then back on.
If the picture is distorted after switching the input selection, setting YCbCr/RGB of the HDMI equipped component to RGB may stabilize the picture.

Is the analog video input?

Depending on the conditions of the analog video signal, the HDMI video output may be distorted. If it is extremely distorted, connect the analog video output to the display.

Check the settings of the HDMI equipped component and the display. Disconnect then reconnect the HDMI cable.Recheck the settings of the unit.

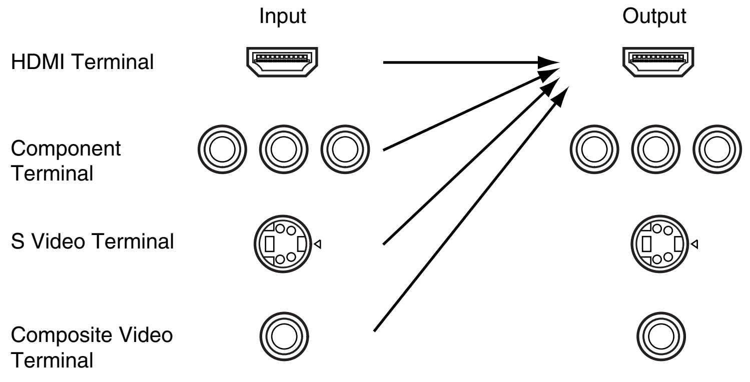
Flowchart of troubleshooting the HDMI block


No video or audio output from the equipment supporting HDMI (in a case of HDMI input/output)
When a player supporting HDMI is directly connected to a monitor supporting HDMI (with an HDMI cable) is there any abnormality?
Yes (abnormality exists)
The player or monitor supporting HDMI (or the HDMI cable) may be defective. Or there may be wrong settings of some equipment.
No (no abnormality)
Check whether HDMI authentication has been completed between the player supporting HDMI and this unit according to the HDMI indicator on the front panel:
Lit: Authentication OK
Flashing: Authentication in progress
Unlit: Authentication failed
NG (unlit or flashing continuously)
OK
Check with other input sources:
Video input (composite, component)
Audio input (analog, digital)
NG
Not the HDMI block, but either the DSP block or the analog line is defective, and which is defective must be judged:
• See "7.1.3 Troubleshooting the DSP Block."
• Check the analog line.
See "3. How to diagnose the product with the Power Amp Block removed" in "7.1.10 DISASSEMBLY."
OK
In a case of a failure in the audio system, input a signal from the HDMI input then check it at the SP output.
Diagnose the unit by referring to the sections on how to diagnose and troubleshoot the HDMI block, described on the subsequent pages.

■ Preparations for diagnosis of the HDMI block and related systems

How to diagnose the HDMI audio/video input/output of this unit is explained here.

Video input terminals for HDMI output


Input
Output
HDMI Terminal
Component Terminal
S Video Terminal
Composite Video Terminal

HDMI Audio routing line

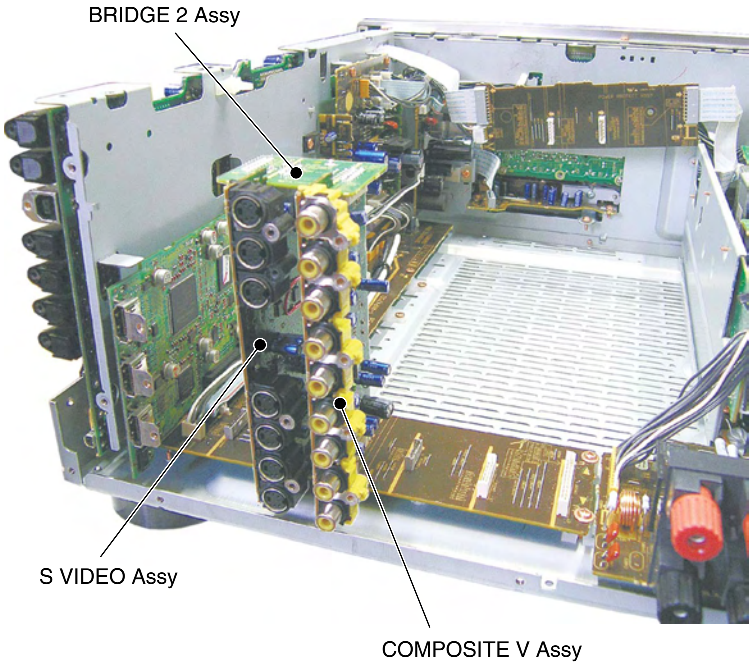
Input		Output
HDMI	→	HDMI
		Pre out
		SP Out

[Procedures]

Remove the following parts and the PCB Assy, referring to "7.1.10 DISASSEMBLY."

- Power Amp Block (*1)
- Rear Panel
- Shield Case
- COMPONENT & VOL Assy
- V-AUDIO Assy
- AUDIO & MULTI CH IN Assy
- PREOUT & CONTROL Assy

(*1) Follow the steps described in "7.1.11 How to diagnose the product with the Power Amp Block removed" in "7.1.10 DISASSEMBLY." After diagnosis, be sure to remove the solder used for short-circuiting.


BRIDGE 2 Assy
S VIDEO Assy
COMPOSITE V Assy

State after all the above-mentioned assys have been removed

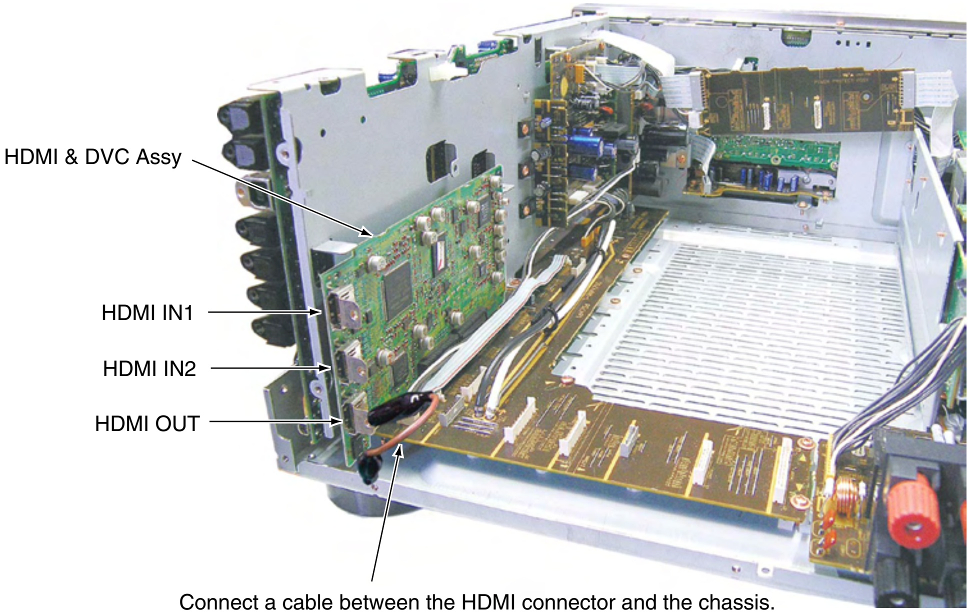
■ Diagnosis of the video and audio lines between HDMI input and HDMI output

How to diagnose the video and audio lines between HDMI input and HDMI output is explained here.

[Procedures]

1. Make the preparations described in "Preparations for diagnosis of the HDMI block and related systems" on the previous page.
2. Remove the COMPOSITE V Assy and S VIDEO Assy.
3. Connect between the HDMI connector and the chassis to mark common GND, as indicated in the photo below. *1
4. Connect a HDMI cable from the source equipment (DVD player, etc.) to HDMI IN 1 or HDMI IN 2.
5. Connect a HDMI cable between the HDMI OUT and a TV monitor.
6. Set the INPUT SELECTOR switch to HDMI function (for the connected HDMI).

*1: Be sure to connect between the HDMI connector and the chassis. Otherwise, operations will be unstable.



Connect a cable between the HDMI connector and the chassis.

[Tips]

- The following DVD players are compatible with this AV Receiver.
  DV-79AVi, DV-59AVi (for North America)
- Use an HDMI cable with the HDMI logo.

■ Diagnosis of the line from the composite video input to the HDMI video output

How to diagnose the line from the composite video input to the HDMI video output is explained here.

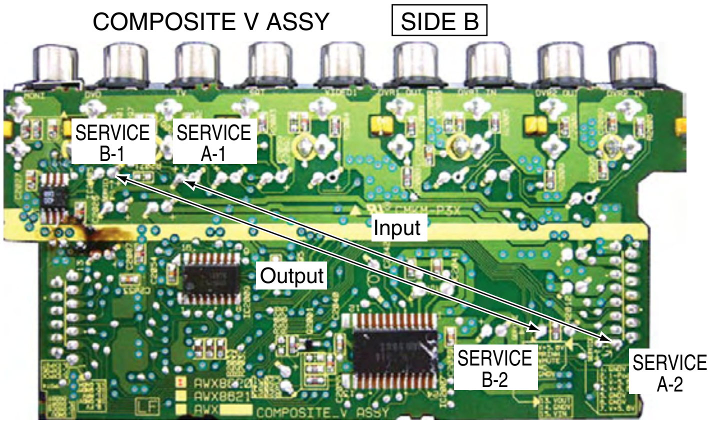
[Procedures]

1. To forcibly input the composite signal to the video converter circuit, bypassing the signal-path switching IC, short-circuit the following points with a jumper: *1

   SERVICE A-1 on the COMPOSITE V Assy <-> SERVICE A-2 (See the photo below.)

2. If the video output from the COMPOSITE V Assy is to be monitored, connect a jumper between SERVICE B-1 and SERVICE B-2 on the COMPOSITE V Assy. (See the photo below.)

3. Make the preparations described in "Preparations for diagnosis of the HDMI block and related systems."



4. Remove the S VIDEO Assy.

5. Connect between the HDMI connector fitting and the chassis, and between the composite connector fitting and the chassis, separately. *2

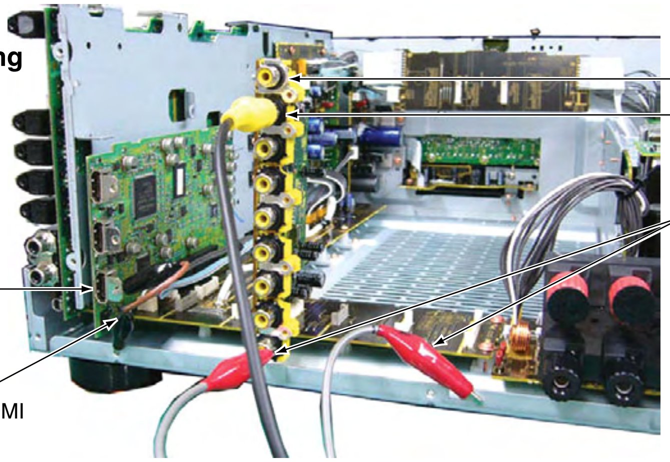
6. Connect a composite cable from the source equipment (DVD player, etc.) to the DVD INPUT (COMPOSITE) connector.

7. Connect between the HDMI OUT connector and a TV monitor. (When Step 2 above is performed, the monitor output signal from the COMPOSITE OUT connector can be monitored.)

8. Set the INPUT SELECTOR switch to DVD function.
   Check that neither S-VIDEO nor COMPONENT is assigned to DVD function in the setting.

*1: Remove the wire used for short-circuiting after the diagnosis is finished.
*2: Be sure to connect between the HDMI connector fitting and the chassis, and the composite connector fitting and the chassis, separately. Otherwise, operations will be unstable.

[Appearance of diagnosing the composite video]



Connect a cable between the composite connector and the chassis.

Connect a cable between the HDMI connector and the chassis.

[Tips]

In this diagnosis, the DIGITAL VIDEO CONVERSION setting (ON/OFF) in the AV PARAMETER settings is invalid.

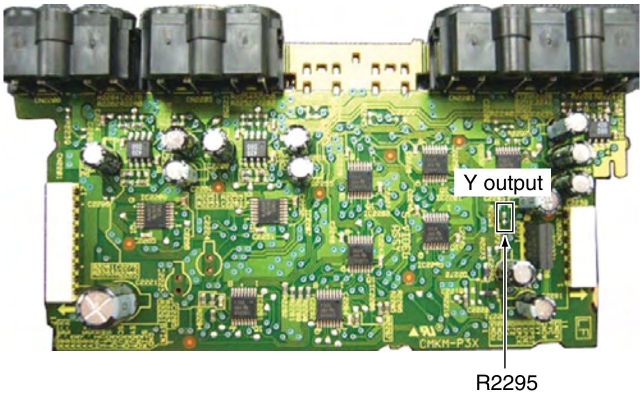
■ Diagnosis of the line from the S video input to the HDMI video output

How to diagnose the line from the S video input to the HDMI video output is explained here.

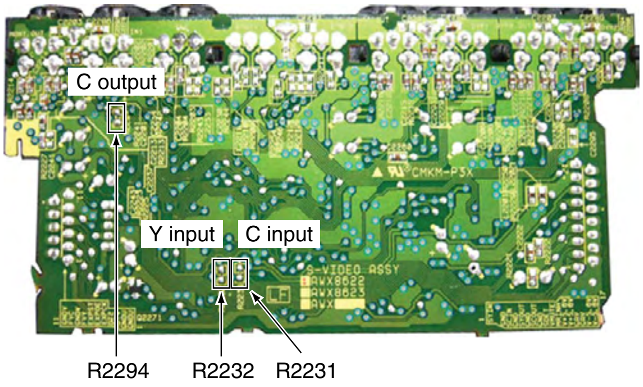
[Procedures]

1. To forcibly input the signal to the video converter circuit, short-circuit between the pads to R2231 (C input) and R2232 (Y input) on the S VIDEO Assy. *1
2. If the video output from the S VIDEO Assy is to be monitored, short-circuit between R2294 (C output) and R2295 (Y output) on the S VIDEO Assy.
3. Make the preparations described in "Preparations for diagnosis of the HDMI block and related systems."

S VIDEO ASSY SIDE A


Y output
R2295

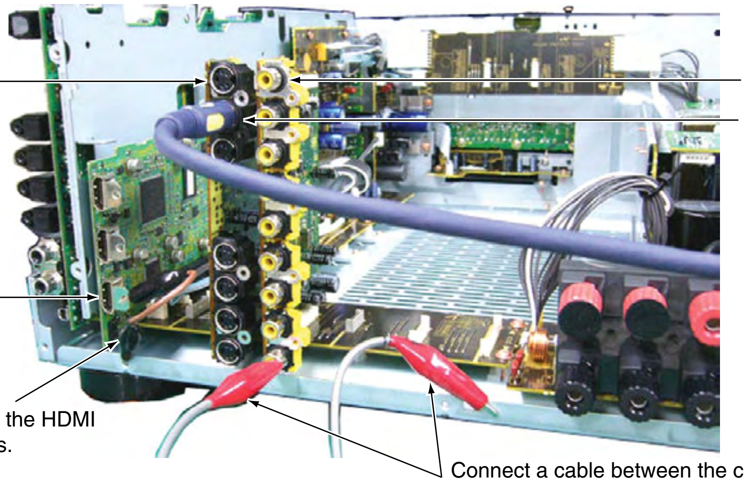
S VIDEO ASSY SIDE B


C output
Y input
C input
R2294
R2232
R2231

4. Connect between the HDMI connector and the chassis, and between the composite connector and the chassis, separately.*2
5. Connect a S-video cable from the source equipment (DVD player, etc.) to the S-VIDEO INPUT 1 connector.
6. Connect between the HDMI OUT connector and a TV monitor. (When Step 2 above is performed, the signal from the S-VIDEO OUT connector can be monitored. When Step 2 in "Diagnosis of the line from the composite video input to the HDMI video output" is performed, the signal from the COMPOSITE OUT connector can also be monitored.)
7. Assign S-VIDEO INPUT 1 as DVD function. Set the INPUT SELECTOR switch to DVD function.

*1: Remove the solder used for short-circuiting after the diagnosis is finished.
*2: Be sure to connect between the HDMI connector fitting and the chassis, and between the composite connector fitting and the chassis, separately. Otherwise, operations will be unstable.

[Appearance of diagnosing the S video]


S VIDEO OUT
COMPOSITE OUT
S VIDEO INPUT1
HDMI OUT
Connect a cable between the HDMI connector and the chassis.
Connect a cable between the composite connector and the chassis.

[Tips]

In this diagnosis, the DIGITAL VIDEO CONVERSION setting (ON/OFF) in the AV PARAMETER settings is invalid.

■ Diagnosis of the line from the component video input to the HDMI video output

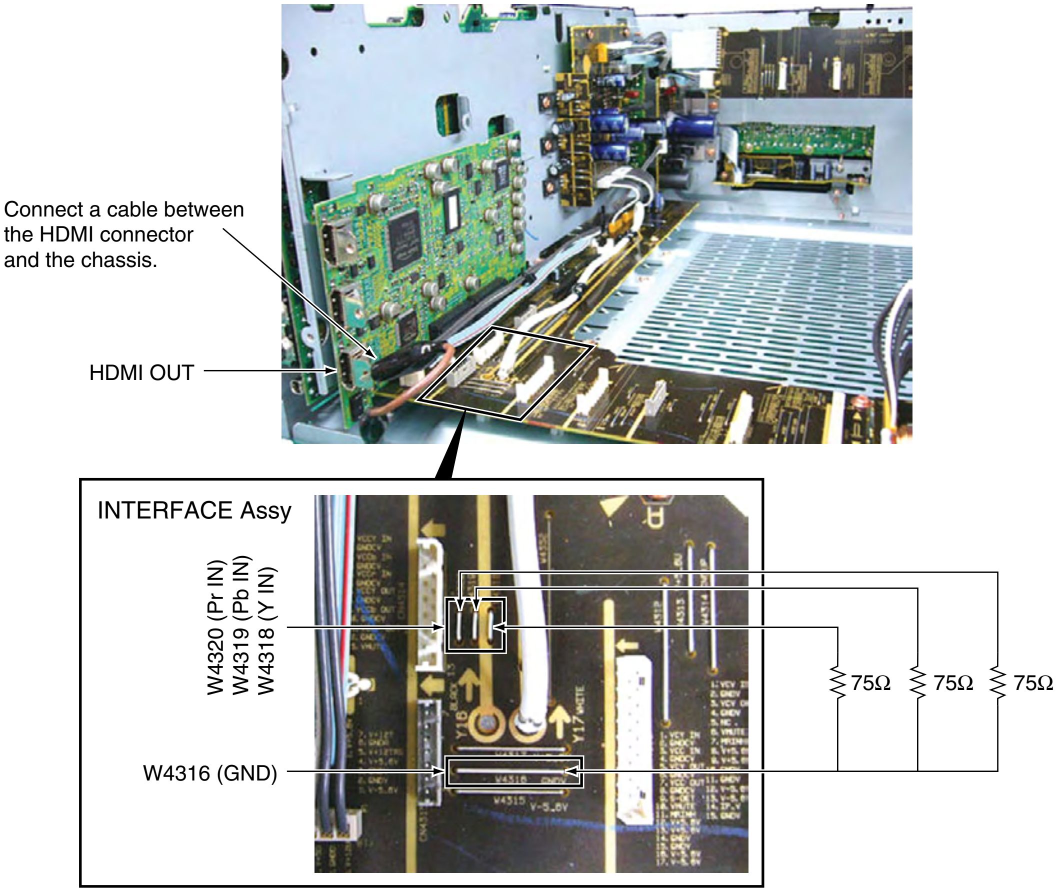
How to diagnose the line from the component video input to the HDMI video output is explained here.

[Procedures]

1. Make the preparations described in "Preparations for diagnosis of the HDMI block and related systems" on the previous page.
2. Remove the COMPOSITE V Assy and S VIDEO Assy.
3. Connect between the HDMI connector and the chassis. *1
4. Insert 75-ohm resistors separately between W4318 and W4316, between W4319 and W4316, and between W4320 and W4316 on the INTERFACE Assy to create impedance that matches the actual input impedance.*2
5. Connect a component video cable from the source equipment (DVD player, etc.) to W4318: Y IN, W4319: Pb IN, and W4320:Pr IN, separately. *2
6. Connect a HDMI cable between the HDMI OUT connector and a TV monitor.
7. Referring to the instruction manual for this unit, assign COMPONENT INPUT 1 as DVD function. Set the INPUT SELECTOR switch to DVD function.

*1: Be sure to connect between the HDMI connector and the chassis. Otherwise, operations will be unstable.
*2: Be sure to remove the resistors or jumpers after the diagnosis is finished.

[Appearance of diagnosing the component video]



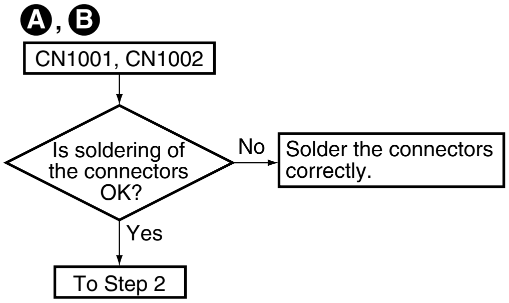
[Tips]

In this diagnosis, the DIGITAL VIDEO CONVERSION setting (ON/OFF) in the AV PARAMETER settings is invalid.

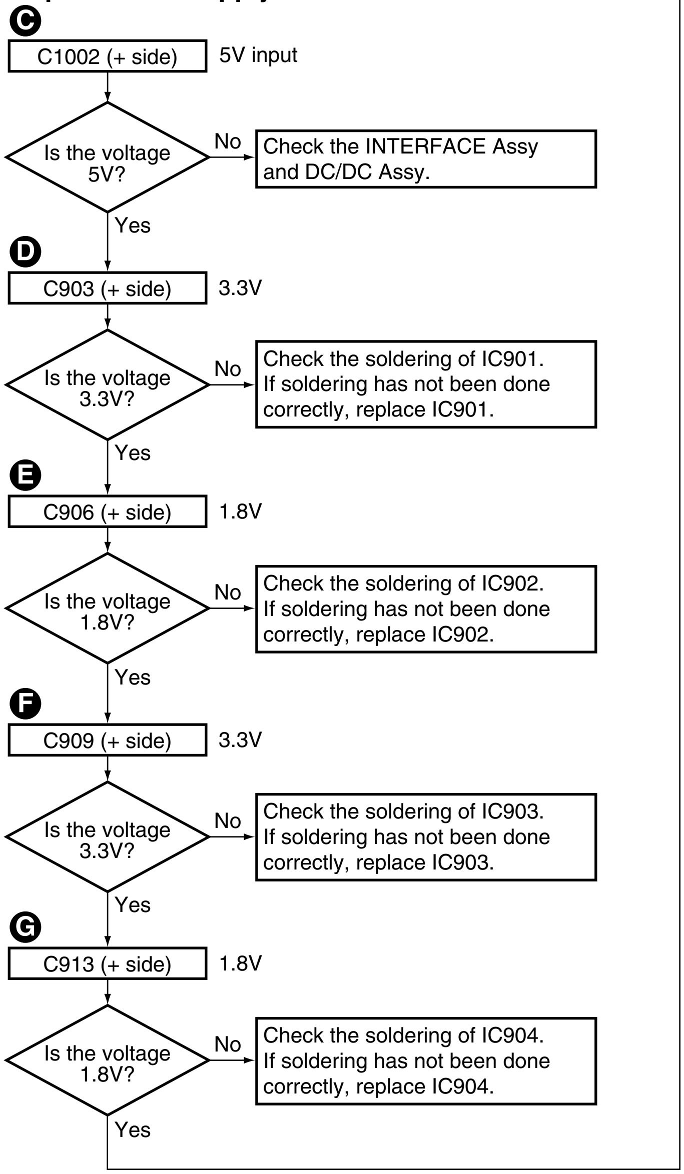
■ HDMI Troubleshooting

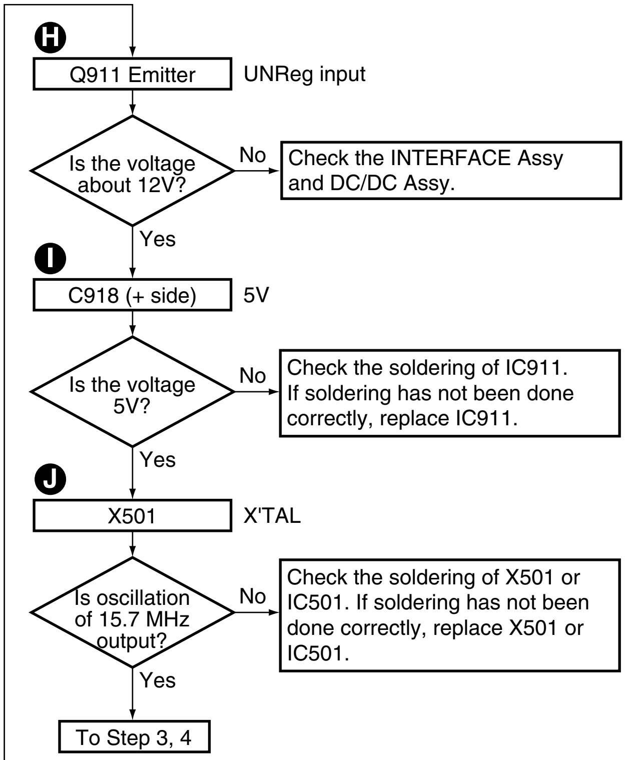
- It is assumed that there is no loose connection or damage in the LCRs.
- There must not be an abnormality in pattern.
- The parts marked like Ⓐ in the following chart are located in "HDMI &DVC Assy Check Points" on the Page 217.

Step 1: Connections

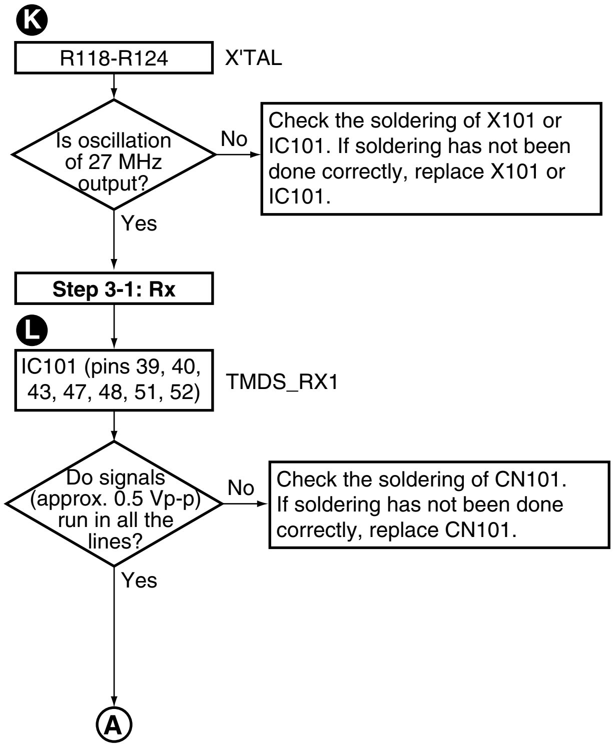

A, B
CN1001, CN1002
Is soldering of the connectors OK?
No
Solder the connectors correctly.
Yes
To Step 2

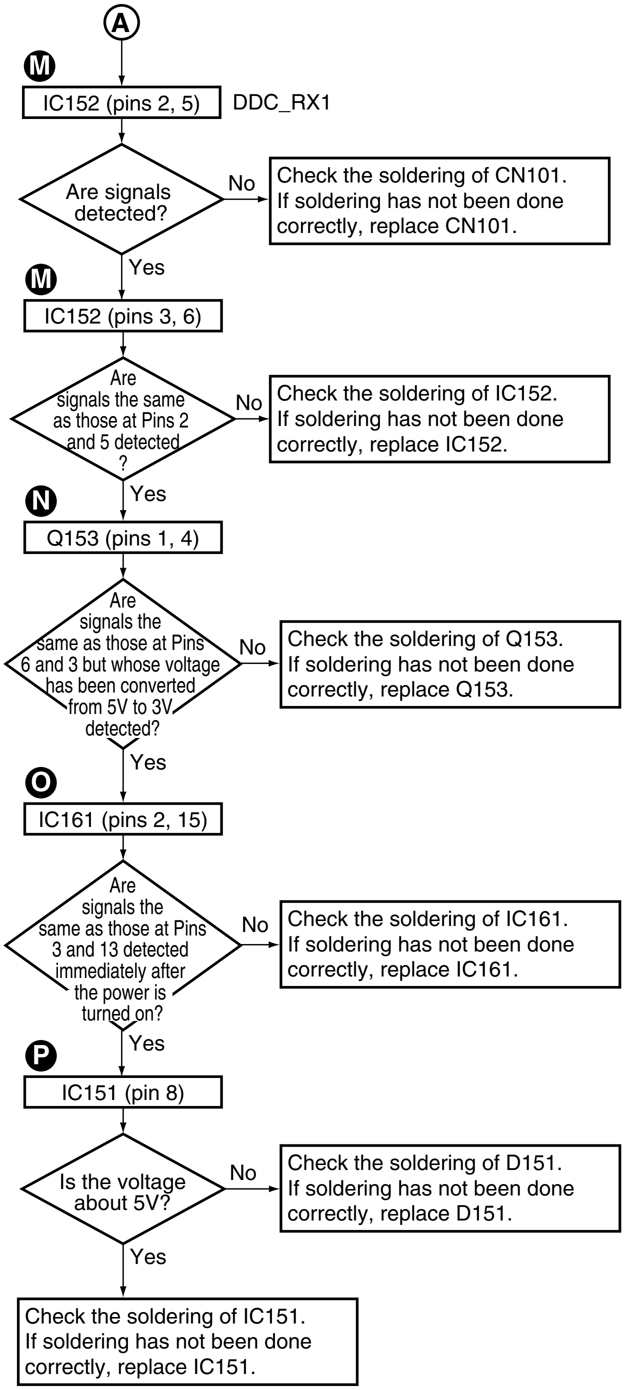
Step 2: Power supply and clock

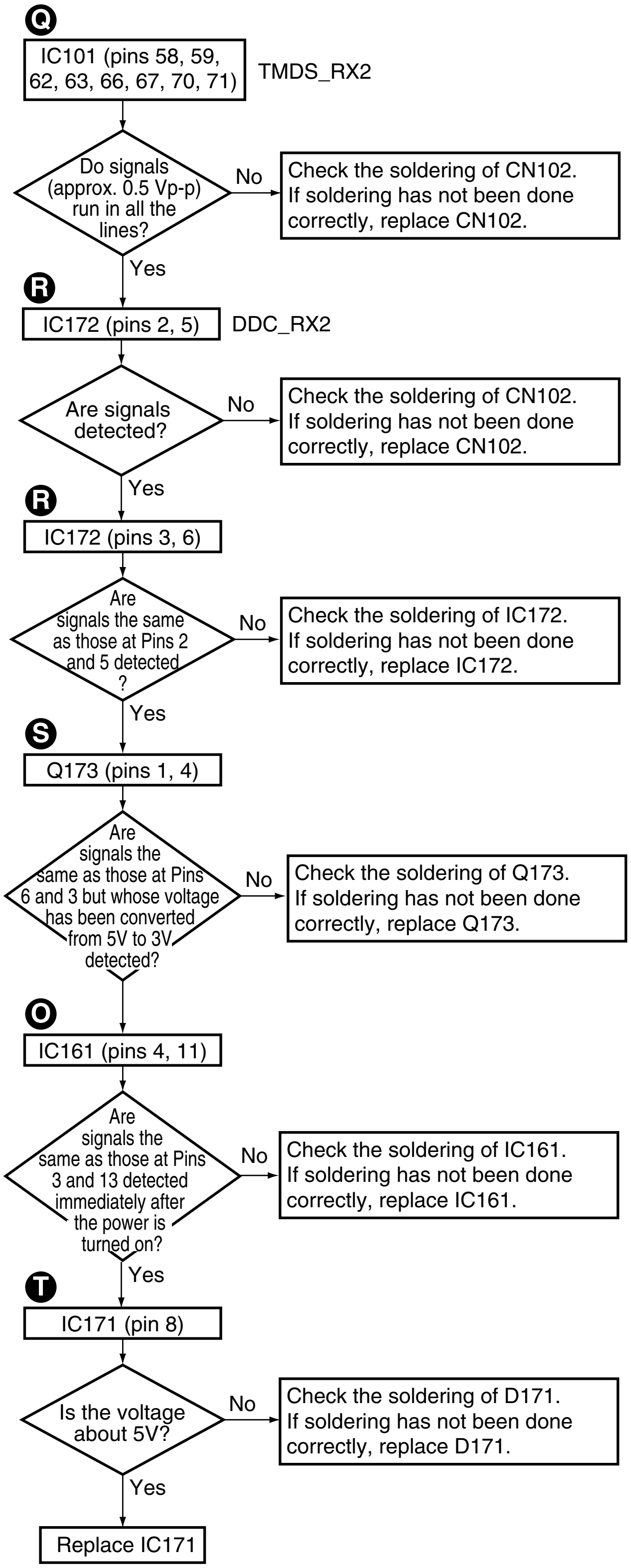

C
C1002 (+ side)
5V input
Is the voltage 5V?
No
Check the INTERFACE Assy and DC/DC Assy.
Yes
D
C903 (+ side)
3.3V
Is the voltage 3.3V?
No
Check the soldering of IC901. If soldering has not been done correctly, replace IC901.
Yes
E
C906 (+ side)
1.8V
Is the voltage 1.8V?
No
Check the soldering of IC902. If soldering has not been done correctly, replace IC902.
Yes
F
C909 (+ side)
3.3V
Is the voltage 3.3V?
No
Check the soldering of IC903. If soldering has not been done correctly, replace IC903.
Yes
G
C913 (+ side)
1.8V
Is the voltage 1.8V?
No
Check the soldering of IC904. If soldering has not been done correctly, replace IC904.
Yes


H
Q911 Emitter
UNReg input
Is the voltage about 12V?
No
Check the INTERFACE Assy and DC/DC Assy.
Yes
I
C918 (+ side)
5V
Is the voltage 5V?
No
Check the soldering of IC911. If soldering has not been done correctly, replace IC911.
Yes
J
X501
X'TAL
Is oscillation of 15.7 MHz output?
No
Check the soldering of X501 or IC501. If soldering has not been done correctly, replace X501 or IC501.
Yes
To Step 3, 4

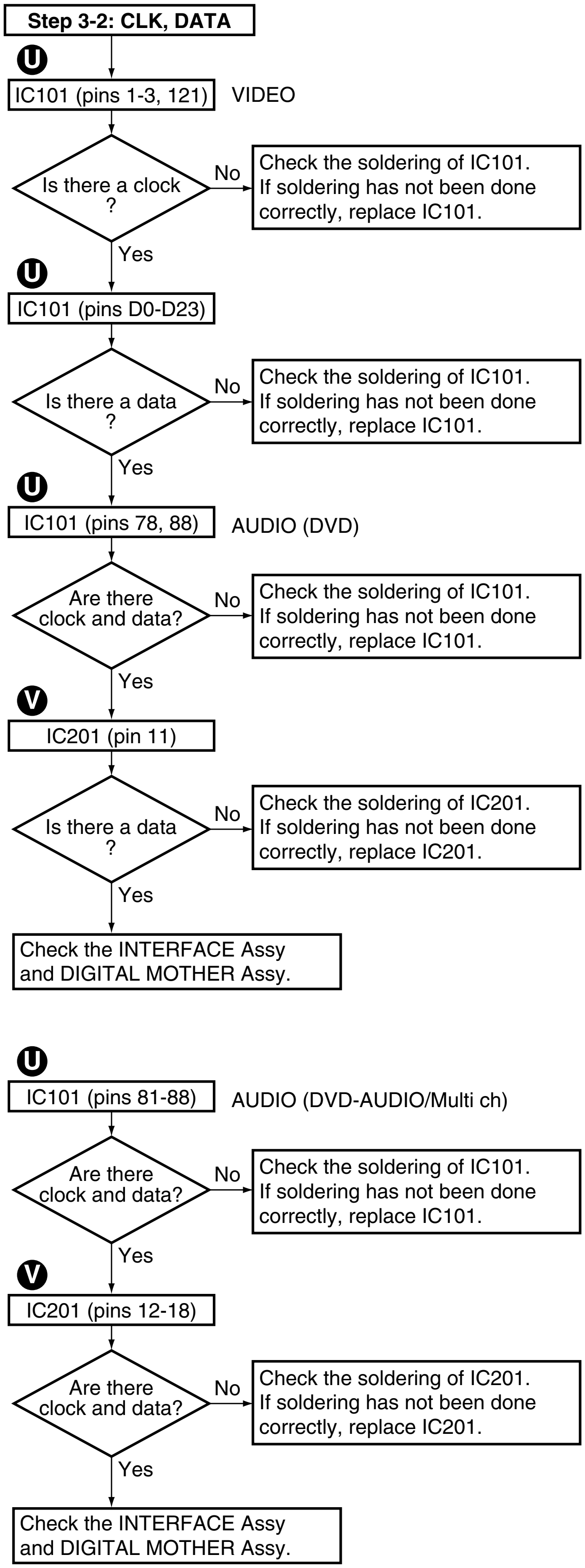
Step 3: HDMI

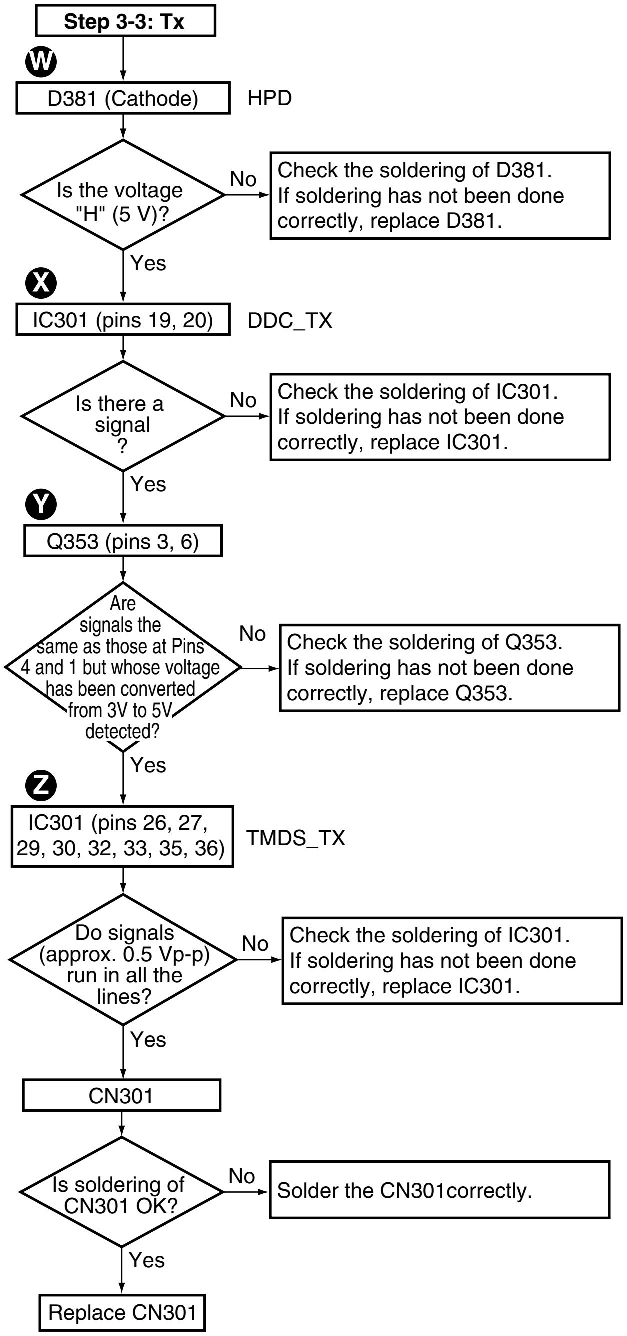

K
R118-R124
X'TAL
Is oscillation of 27 MHz output?
No
Check the soldering of X101 or IC101. If soldering has not been done correctly, replace X101 or IC101.
Yes
Step 3-1: Rx
L
IC101 (pins 39, 40, 43, 47, 48, 51, 52)
TMDS_RX1
Do signals (approx. 0.5 Vp-p) run in all the lines?
No
Check the soldering of CN101. If soldering has not been done correctly, replace CN101.
Yes
A


A
M
IC152 (pins 2, 5)
DDC_RX1
Are signals detected?
No
Check the soldering of CN101. If soldering has not been done correctly, replace CN101.
Yes
M
IC152 (pins 3, 6)
Are signals the same as those at Pins 2 and 5 detected ?
No
Check the soldering of IC152. If soldering has not been done correctly, replace IC152.
Yes
N
Q153 (pins 1, 4)
Are signals the same as those at Pins 6 and 3 but whose voltage has been converted from 5V to 3V detected?
No
Check the soldering of Q153. If soldering has not been done correctly, replace Q153.
Yes
O
IC161 (pins 2, 15)
Are signals the same as those at Pins 3 and 13 detected immediately after the power is turned on?
No
Check the soldering of IC161. If soldering has not been done correctly, replace IC161.
Yes
P
IC151 (pin 8)
Is the voltage about 5V?
No
Check the soldering of D151. If soldering has not been done correctly, replace D151.
Yes
Check the soldering of IC151. If soldering has not been done correctly, replace IC151.

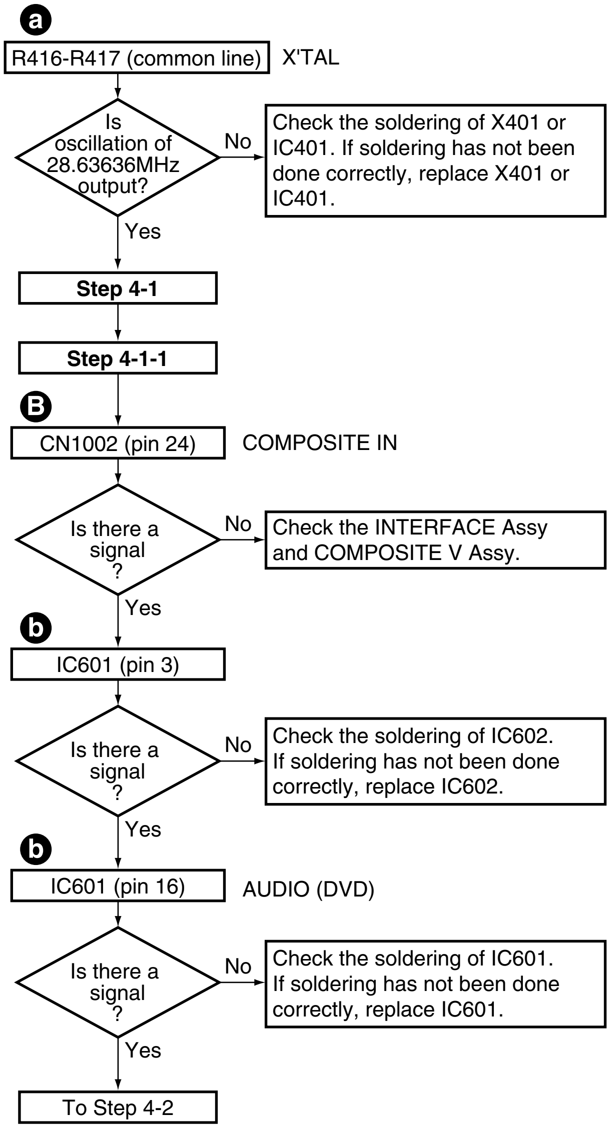

Q
IC101 (pins 58, 59, 62, 63, 66, 67, 70, 71)
TMDS_RX2
Do signals (approx. 0.5 Vp-p) run in all the lines?
No
Check the soldering of CN102. If soldering has not been done correctly, replace CN102.
Yes
R
IC172 (pins 2, 5)
DDC_RX2
Are signals detected?
No
Check the soldering of CN102. If soldering has not been done correctly, replace CN102.
Yes
R
IC172 (pins 3, 6)
Are signals the same as those at Pins 2 and 5 detected ?
No
Check the soldering of IC172. If soldering has not been done correctly, replace IC172.
Yes
S
Q173 (pins 1, 4)
Are signals the same as those at Pins 6 and 3 but whose voltage has been converted from 5V to 3V detected?
No
Check the soldering of Q173. If soldering has not been done correctly, replace Q173.
O
IC161 (pins 4, 11)
Are signals the same as those at Pins 3 and 13 detected immediately after the power is turned on?
No
Check the soldering of IC161. If soldering has not been done correctly, replace IC161.
Yes
T
IC171 (pin 8)
Is the voltage about 5V?
No
Check the soldering of D171. If soldering has not been done correctly, replace D171.
Yes
Replace IC171

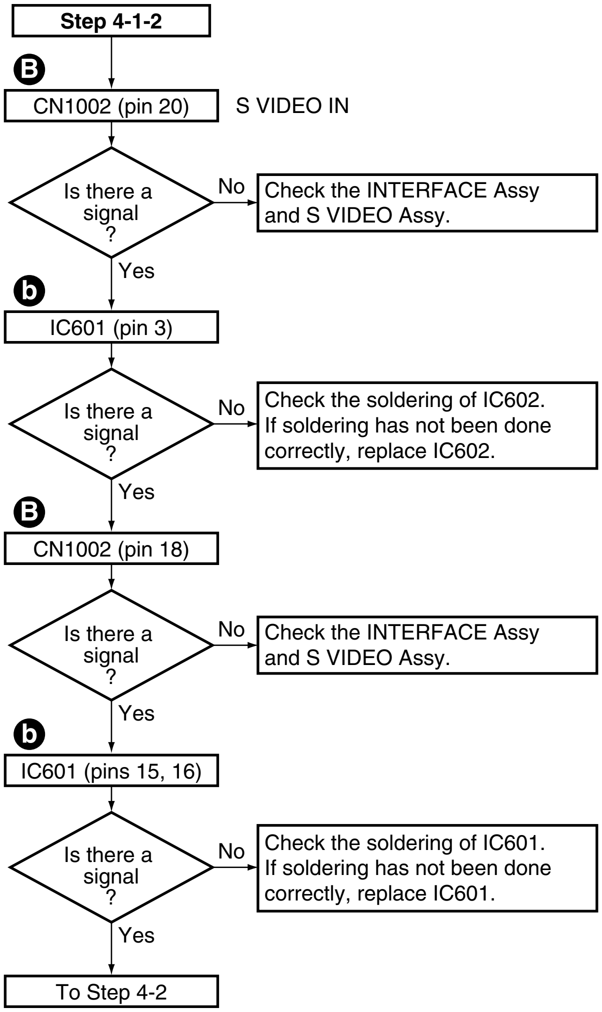
Step 3: HDMI

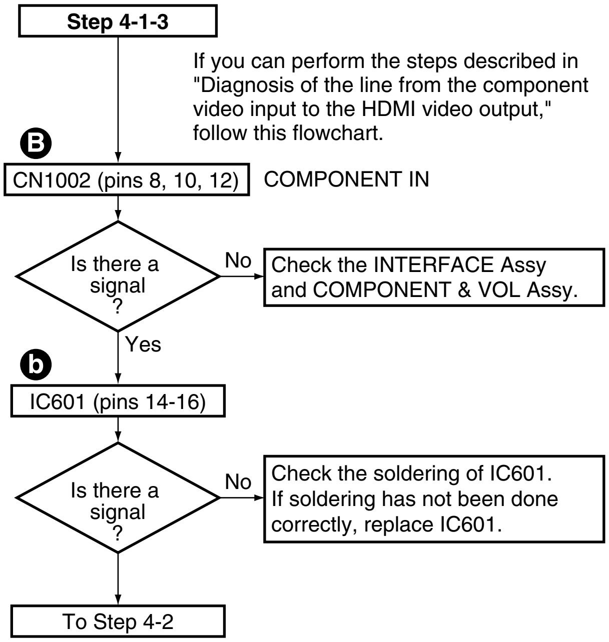

Step 3-2: CLK, DATA
U
IC101 (pins 1-3, 121)
VIDEO
Is there a clock ?
No
Check the soldering of IC101. If soldering has not been done correctly, replace IC101.
Yes
U
IC101 (pins D0-D23)
Is there a data ?
No
Check the soldering of IC101. If soldering has not been done correctly, replace IC101.
Yes
U
IC101 (pins 78, 88)
AUDIO (DVD)
Are there clock and data?
No
Check the soldering of IC101. If soldering has not been done correctly, replace IC101.
Yes
V
IC201 (pin 11)
Is there a data ?
No
Check the soldering of IC201. If soldering has not been done correctly, replace IC201.
Yes
Check the INTERFACE Assy and DIGITAL MOTHER Assy.
U
IC101 (pins 81-88)
AUDIO (DVD-AUDIO/Multi ch)
Are there clock and data?
No
Check the soldering of IC101. If soldering has not been done correctly, replace IC101.
Yes
V
IC201 (pins 12-18)
Are there clock and data?
No
Check the soldering of IC201. If soldering has not been done correctly, replace IC201.
Yes
Check the INTERFACE Assy and DIGITAL MOTHER Assy.

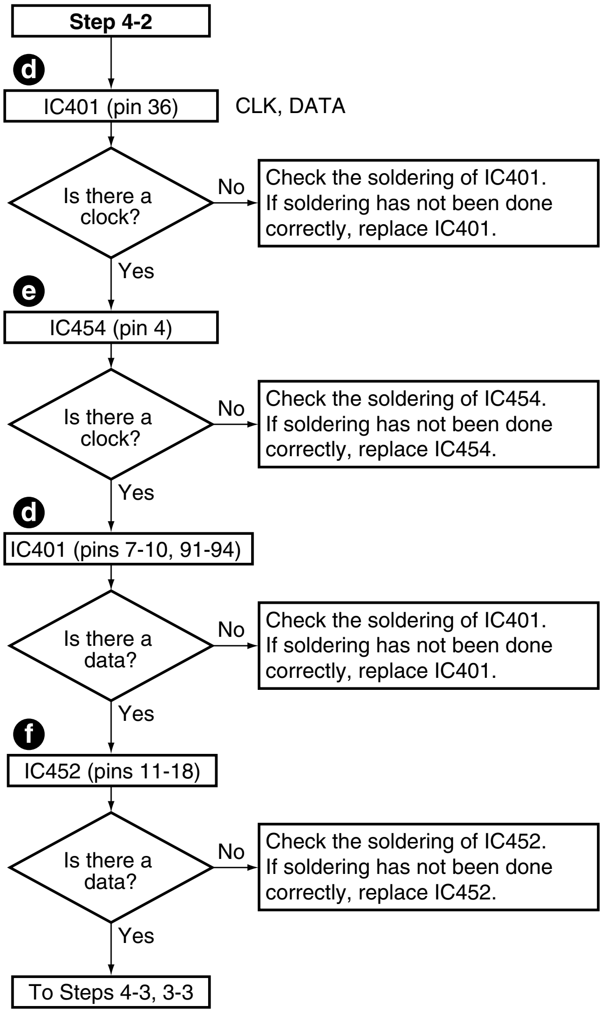

Step 3-3: Tx
W
D381 (Cathode)
HPD
Is the voltage "H" (5 V)?
No
Check the soldering of D381. If soldering has not been done correctly, replace D381.
Yes
X
IC301 (pins 19, 20)
DDC_TX
Is there a signal ?
No
Check the soldering of IC301. If soldering has not been done correctly, replace IC301.
Yes
Y
Q353 (pins 3, 6)
Are signals the same as those at Pins 4 and 1 but whose voltage has been converted from 3V to 5V detected?
No
Check the soldering of Q353. If soldering has not been done correctly, replace Q353.
Yes
Z
IC301 (pins 26, 27, 29, 30, 32, 33, 35, 36)
TMDS_TX
Do signals (approx. 0.5 Vp-p) run in all the lines?
No
Check the soldering of IC301. If soldering has not been done correctly, replace IC301.
Yes
CN301
Is soldering of CN301 OK?
No
Solder the CN301correctly.
Yes
Replace CN301

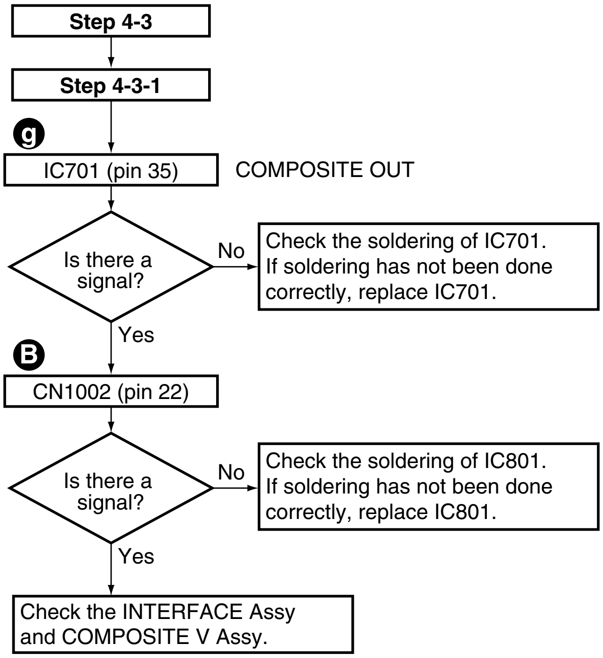
Step 4: DVC

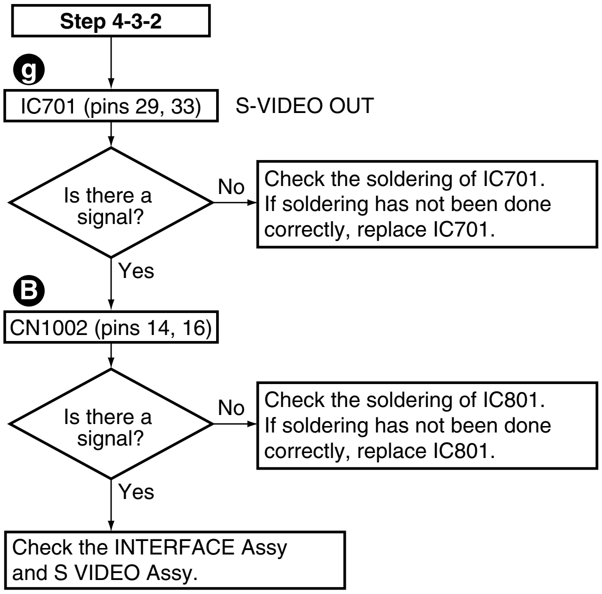

a
R416-R417 (common line)
X'TAL
Is oscillation of 28.63636MHz output?
No
Check the soldering of X401 or IC401. If soldering has not been done correctly, replace X401 or IC401.
Yes
Step 4-1
Step 4-1-1
B
CN1002 (pin 24)
COMPOSITE IN
Is there a signal ?
No
Check the INTERFACE Assy and COMPOSITE V Assy.
Yes
b
IC601 (pin 3)
Is there a signal ?
No
Check the soldering of IC602. If soldering has not been done correctly, replace IC602.
Yes
b
IC601 (pin 16)
AUDIO (DVD)
Is there a signal ?
No
Check the soldering of IC601. If soldering has not been done correctly, replace IC601.
Yes
To Step 4-2

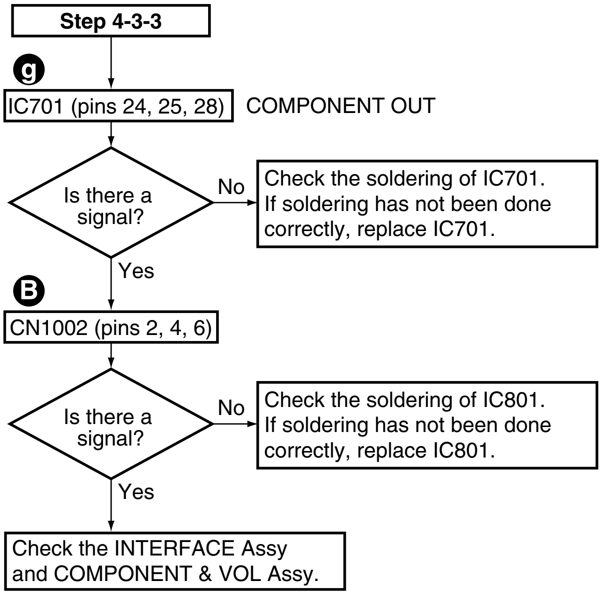

Step 4-1-2
B
CN1002 (pin 20)
S VIDEO IN
Is there a signal ?
No
Check the INTERFACE Assy and S VIDEO Assy.
Yes
b
IC601 (pin 3)
Is there a signal ?
No
Check the soldering of IC602. If soldering has not been done correctly, replace IC602.
Yes
B
CN1002 (pin 18)
Is there a signal ?
No
Check the INTERFACE Assy and S VIDEO Assy.
Yes
b
IC601 (pins 15, 16)
Is there a signal ?
No
Check the soldering of IC601. If soldering has not been done correctly, replace IC601.
Yes
To Step 4-2


Step 4-1-3
If you can perform the steps described in "Diagnosis of the line from the component video input to the HDMI video output," follow this flowchart.
B
CN1002 (pins 8, 10, 12)
COMPONENT IN
Is there a signal ?
No
Check the INTERFACE Assy and COMPONENT & VOL Assy.
Yes
b
IC601 (pins 14-16)
Is there a signal ?
No
Check the soldering of IC601. If soldering has not been done correctly, replace IC601.
To Step 4-2

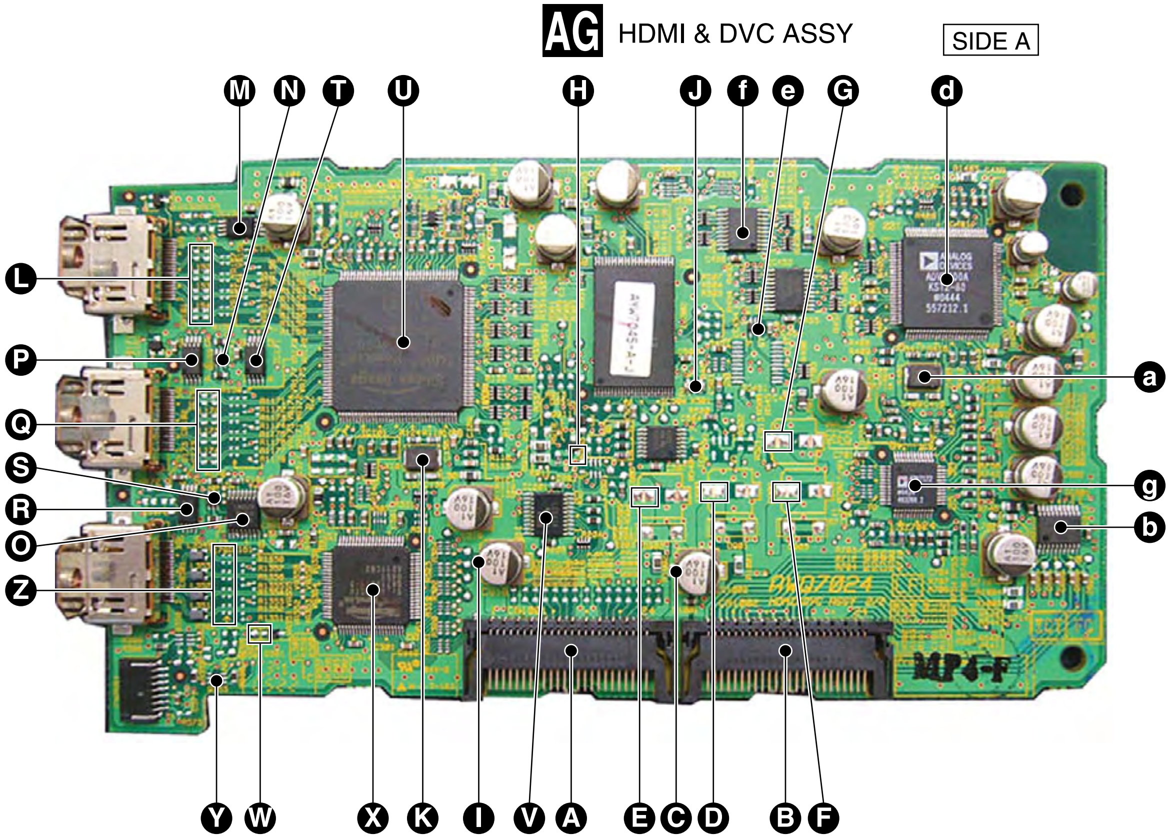

Step 4-2
d
IC401 (pin 36)
CLK, DATA
Is there a clock?
No
Check the soldering of IC401. If soldering has not been done correctly, replace IC401.
Yes
e
IC454 (pin 4)
Is there a clock?
No
Check the soldering of IC454. If soldering has not been done correctly, replace IC454.
Yes
d
IC401 (pins 7-10, 91-94)
Is there a data?
No
Check the soldering of IC401. If soldering has not been done correctly, replace IC401.
Yes
f
IC452 (pins 11-18)
Is there a data?
No
Check the soldering of IC452. If soldering has not been done correctly, replace IC452.
Yes
To Steps 4-3, 3-3


Step 4-3
Step 4-3-1
g
IC701 (pin 35)
COMPOSITE OUT
Is there a signal?
No
Check the soldering of IC701. If soldering has not been done correctly, replace IC701.
Yes
B
CN1002 (pin 22)
Is there a signal?
No
Check the soldering of IC801. If soldering has not been done correctly, replace IC801.
Yes
Check the INTERFACE Assy and COMPOSITE V Assy.


Step 4-3-2
g
IC701 (pins 29, 33)
S-VIDEO OUT
Is there a signal?
No
Check the soldering of IC701. If soldering has not been done correctly, replace IC701.
Yes
B
CN1002 (pins 14, 16)
Is there a signal?
No
Check the soldering of IC801. If soldering has not been done correctly, replace IC801.
Yes
Check the INTERFACE Assy and S VIDEO Assy.


Step 4-3-3
g
IC701 (pins 24, 25, 28)
COMPONENT OUT
Is there a signal?
No
Check the soldering of IC701. If soldering has not been done correctly, replace IC701.
Yes
B
CN1002 (pins 2, 4, 6)
Is there a signal?
No
Check the soldering of IC801. If soldering has not been done correctly, replace IC801.
Yes
Check the INTERFACE Assy and COMPONENT & VOL Assy.

■ HDMI & DVC Assy Check Points


AG
HDMI & DVC ASSY
SIDE A
M
N
T
U
H
J
f
e
G
d
L
P
Q
S
R
O
Z
a
g
b
Y
W
X
K
I
V
A
E
C
D
B
F

7.1.5 DIAGNOSIS OF THE 1394 ASSY

■ Before Making a Diagnosis

Please check the following Trouble shooting prior to repairing the unit.

i.LINK interface

Symptom	Remedy
No sound is output.	• Check that the source player is compatible with i.LINK audio. • Check the output settings of the source player. • Make sure that **i.LINK** or **AUTO** is selected using the **SIGNAL SELECT** button.
The i.LINK indicator does not light up even when an i.LINK-equipped component is selected.	• Make sure that **i.LINK** or **AUTO** is selected using the **SIGNAL SELECT** button. • Check the i.LINK connections; use an i.LINK cable of less than 11 feet (3.5 m). • Check that the source components conforms to the i.LINK Audio format. • Make sure that all components connected between the receiver and the source are switched on.
PQLS OFF or **PQLS ON** is displayed temporarily on your player and the sound output is discontinued.	• During playback through an i.LINK connection, if you change the settings for other i.LINK components, the sound will be discontinued momentarily. This is not a malfunction.
The program format indicators don't disappear when SACD playback stops.	• The program format indicators remain lit until another format source is input. This is not a malfunction.
You can't get i.LINK to display when using the **SIGNAL SELECT** button.	• Make sure your i.LINK source components are switched on. • Check that i.LINK is assigned correctly.
After upgrading a component, it is not recognized and cannot be selected using the i.LINK connection.	• You may need to reset the i.LINK database memory in the receiver (use the front panel): With the receiver in standby, press ⏻ **STANDBY/ON** while holding down **RETURN**. When you see **DB CLEAR?** appear in the display, press **ENTER**, then **SETUP** again to confirm. When you've reset the i.LINK database memory, **DB CLEAR SET** shows in the display. If **DB ERROR** is displayed, step through the procedure again.

i.LINK messages

You may see the following messages displayed in the front panel display when using the i.LINK interface.

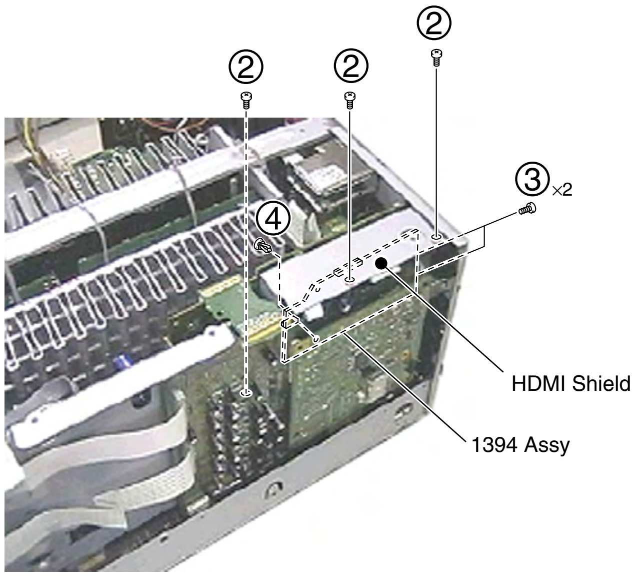
Message	Explanation
BUS FULL	The i.LINK bus has reached its capacity and cannot transmit any more data.
CANNOT LINK 1	The connection between the receiver and the selected i.LINK-equipped component is unstable. If the i.LINK cables appear to be connected properly and both the receiver and i.LINK-equipped component are on, switch both units off, then on again to re-establish the connection between them.
CANNOT LINK 2	The receiver can't identify the selected i.LINK-equipped component. For example, the receiver may not be able to identify an i.LINK-equipped personal computer.
LINK CHECK	The receiver is checking the i.LINK network. It does this when components are added to, or removed from the network. The sound may be interrupted if this happens during playback.
LOOP CONNECT	The i.LINK network cannot function because the connected components form a loop.
NO NAME	When an i.LINK-equipped component has no name, this message is displayed instead of the proper component name.
NO SIGNAL	A component is outputting an i.LINK signal that the receiver cannot reproduce. This receiver can only reproduce signals from i.LINK-Audio-equipped components.
PQLS OFF	This is displayed on a playback component when PQLS turns off during playback. The sound may be interrupted momentarily when this happens.
PQLS ON	This is displayed on a playback component when PQLS turns on during playback. The sound may be interrupted momentarily when this happens.
UNKNOWN	When an i.LINK-equipped component name cannot be recognized, this message is displayed instead of the proper component name.

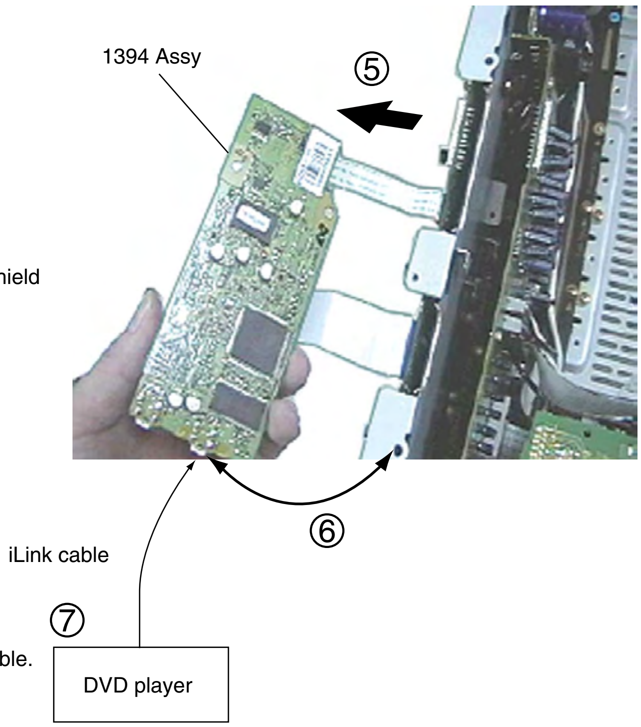
■ Preparations for diagnosis

Detach the 1394 Assy with the flexible cables (FFCs) connected, as shown in the photos below, then make a diagnosis.

[Procedures]

① Remove the bonnet, referring to "7.1.10 DISASSEMBLY."
② Remove the HDMI shield, first removing the three screws.
③ Remove the two screws that secure the 1394 connector to the rear panel.
④ Remove the rivet that secures the 1394 Assy.
⑤ Remove the 1394 Assy.


②
②
②
③×2
④
HDMI Shield
1394 Assy

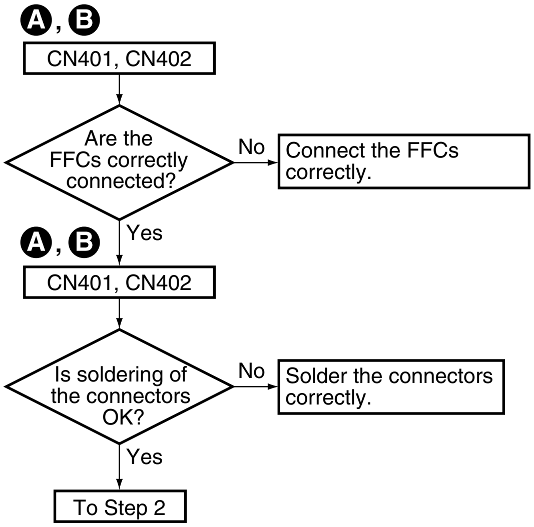

1394 Assy
⑤
⑥
iLink cable
⑦
DVD player

⑥ Connect a cable between the 1394 connector and the chassis.
⑦ Connect the source equipment (DVD player), using an iLink cable.

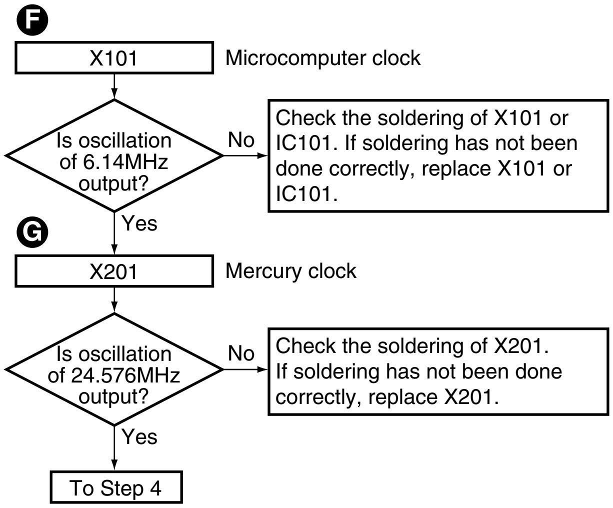
■ 1394 Assy Troubleshooting

- It is assumed that there is no loose connection or damage in the LCRs.
- There must not be an abnormality in pattern.
- The parts marked like Ⓐ are located in the "1394 Assy check points" on page 222.

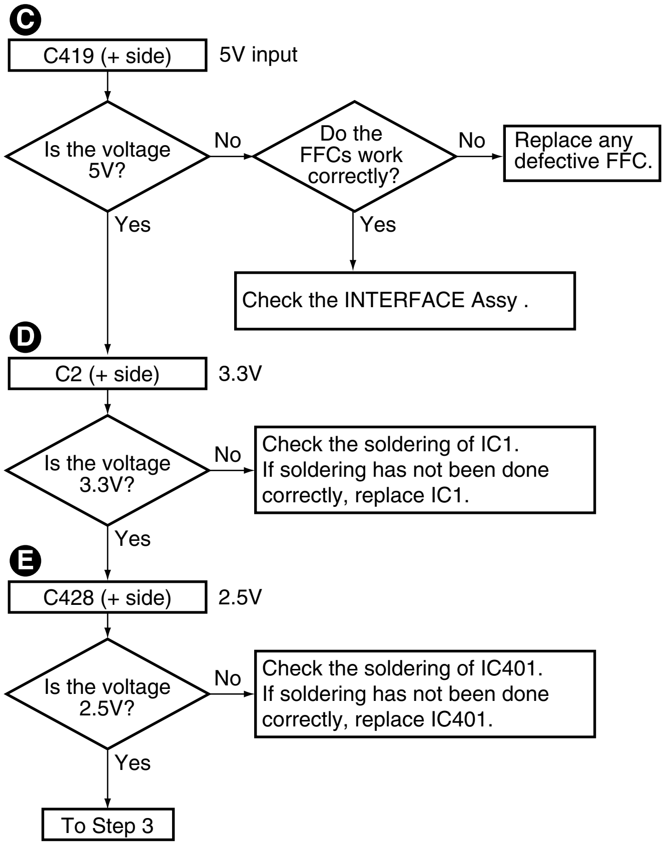
Step 1: Connections


Ⓐ, Ⓑ
CN401, CN402
Are the FFCs correctly connected?
No
Connect the FFCs correctly.
Yes
Ⓐ, Ⓑ
CN401, CN402
Is soldering of the connectors OK?
No
Solder the connectors correctly.
Yes
To Step 2

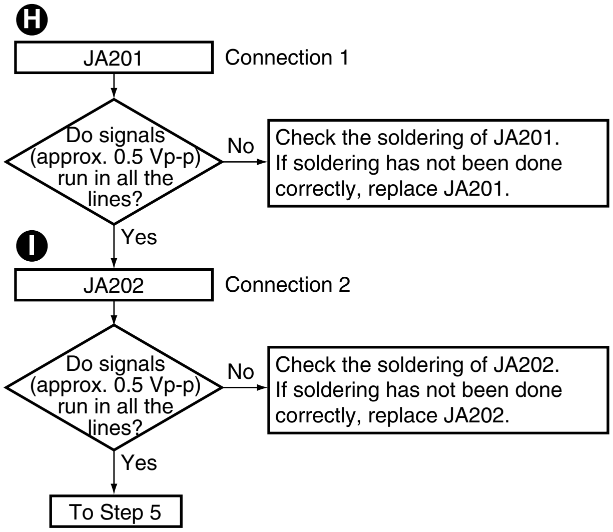
Step 3: Operation of the Master Clock


Ⓕ
X101
Microcomputer clock
Is oscillation of 6.14MHz output?
No
Check the soldering of X101 or IC101. If soldering has not been done correctly, replace X101 or IC101.
Yes
Ⓖ
X201
Mercury clock
Is oscillation of 24.576MHz output?
No
Check the soldering of X201. If soldering has not been done correctly, replace X201.
Yes
To Step 4

Step 2: Power supply

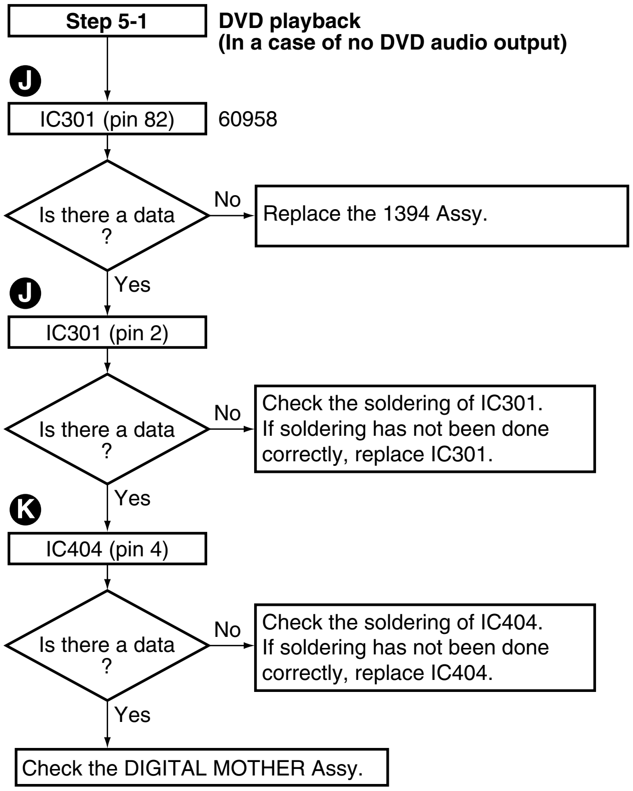

Ⓒ
C419 (+ side)
5V input
Is the voltage 5V?
No
Do the FFCs work correctly?
No
Replace any defective FFC.
Yes
Check the INTERFACE Assy .
Yes
Ⓓ
C2 (+ side)
3.3V
Is the voltage 3.3V?
No
Check the soldering of IC1. If soldering has not been done correctly, replace IC1.
Yes
Ⓔ
C428 (+ side)
2.5V
Is the voltage 2.5V?
No
Check the soldering of IC401. If soldering has not been done correctly, replace IC401.
Yes
To Step 3

Step 4: Operation of the Master External I/F

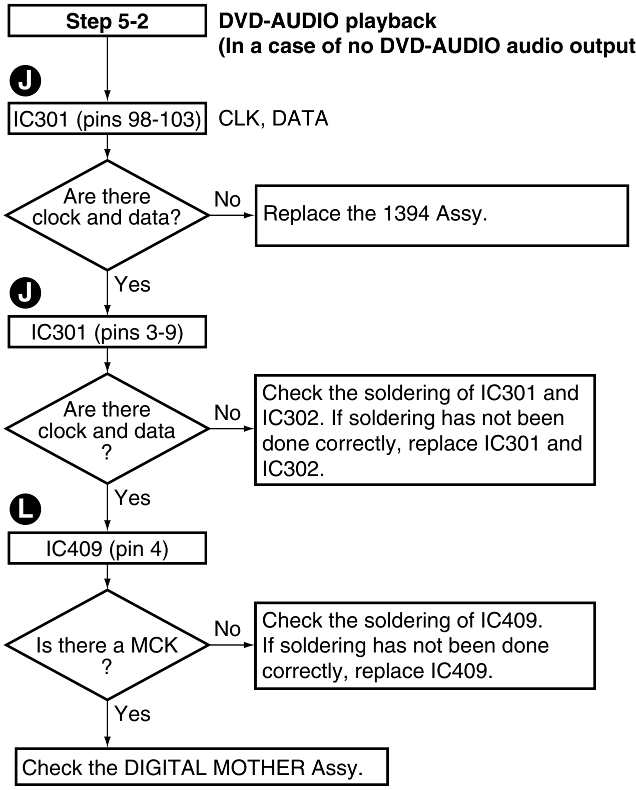

Ⓗ
JA201
Connection 1
Do signals (approx. 0.5 Vp-p) run in all the lines?
No
Check the soldering of JA201. If soldering has not been done correctly, replace JA201.
Yes
Ⓘ
JA202
Connection 2
Do signals (approx. 0.5 Vp-p) run in all the lines?
No
Check the soldering of JA202. If soldering has not been done correctly, replace JA202.
Yes
To Step 5

Step 5:

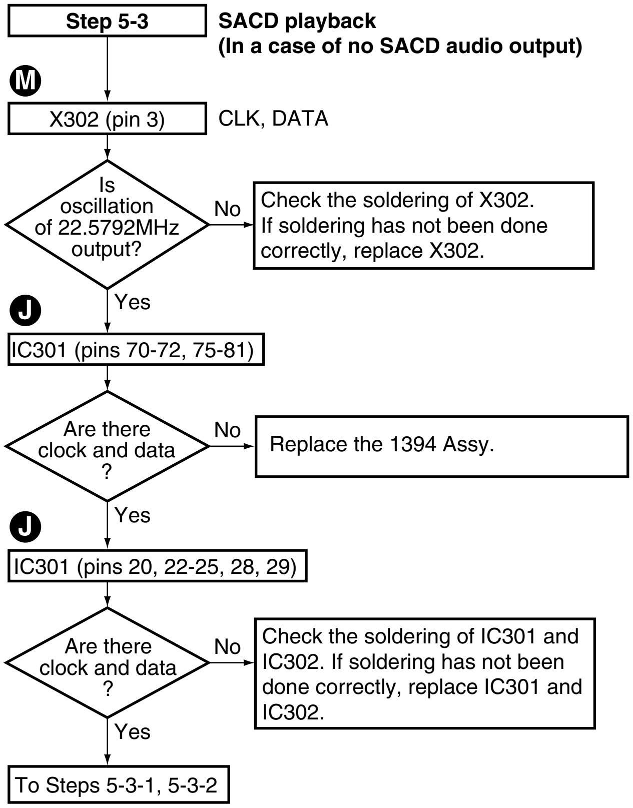
Step 5-1 **DVD playback (In a case of no DVD audio output)**


Step 5-1
J
IC301 (pin 82)
60958
Is there a data ?
No
Replace the 1394 Assy.
Yes
J
IC301 (pin 2)
Is there a data ?
No
Check the soldering of IC301. If soldering has not been done correctly, replace IC301.
Yes
K
IC404 (pin 4)
Is there a data ?
No
Check the soldering of IC404. If soldering has not been done correctly, replace IC404.
Yes
Check the DIGITAL MOTHER Assy.

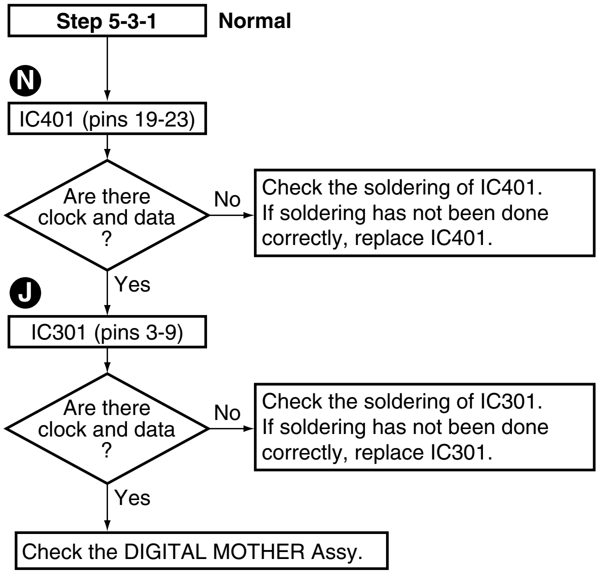
Step 5-2 **DVD-AUDIO playback (In a case of no DVD-AUDIO audio output)**


Step 5-2
J
IC301 (pins 98-103)
CLK, DATA
Are there clock and data?
No
Replace the 1394 Assy.
Yes
J
IC301 (pins 3-9)
Are there clock and data ?
No
Check the soldering of IC301 and IC302. If soldering has not been done correctly, replace IC301 and IC302.
Yes
L
IC409 (pin 4)
Is there a MCK ?
No
Check the soldering of IC409. If soldering has not been done correctly, replace IC409.
Yes
Check the DIGITAL MOTHER Assy.

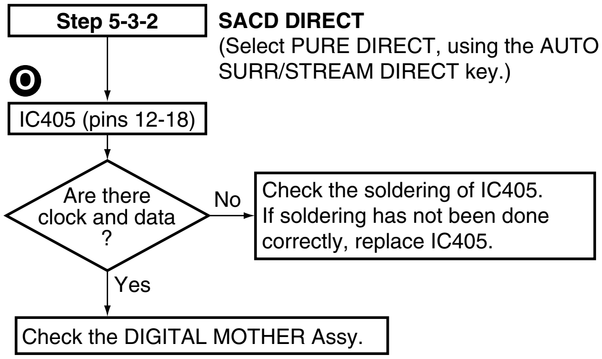
Step 5-3 **SACD playback (In a case of no SACD audio output)**


Step 5-3
M
X302 (pin 3)
CLK, DATA
Is oscillation of 22.5792MHz output?
No
Check the soldering of X302. If soldering has not been done correctly, replace X302.
Yes
J
IC301 (pins 70-72, 75-81)
Are there clock and data ?
No
Replace the 1394 Assy.
Yes
J
IC301 (pins 20, 22-25, 28, 29)
Are there clock and data ?
No
Check the soldering of IC301 and IC302. If soldering has not been done correctly, replace IC301 and IC302.
Yes
To Steps 5-3-1, 5-3-2

Step 5-3-1 **Normal**

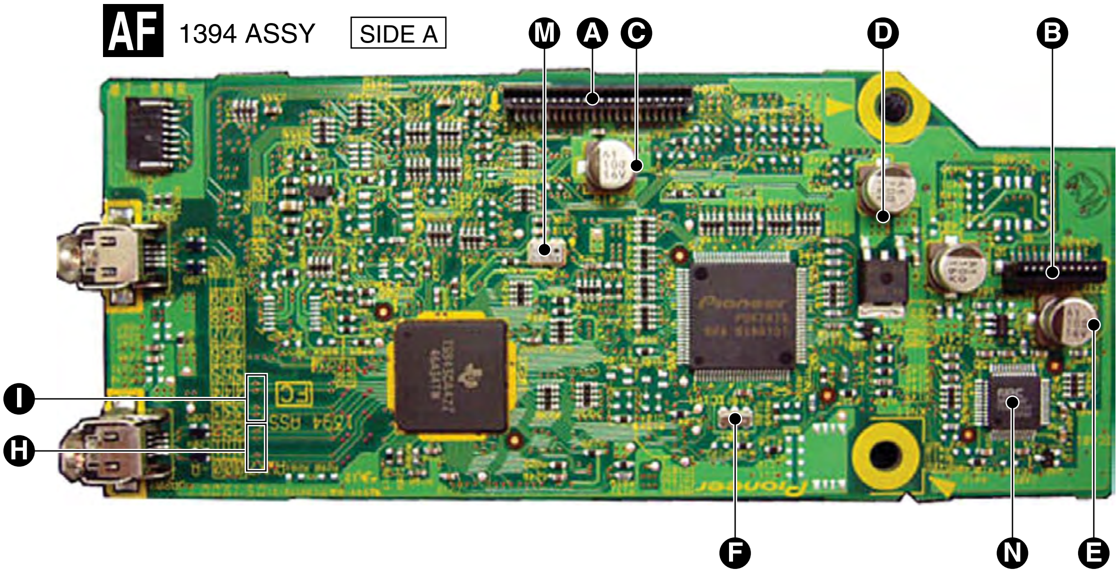

Step 5-3-1
N
IC401 (pins 19-23)
Are there clock and data ?
No
Check the soldering of IC401. If soldering has not been done correctly, replace IC401.
Yes
J
IC301 (pins 3-9)
Are there clock and data ?
No
Check the soldering of IC301. If soldering has not been done correctly, replace IC301.
Yes
Check the DIGITAL MOTHER Assy.

Step 5-3-2 **SACD DIRECT**
(Select PURE DIRECT, using the AUTO SURR/STREAM DIRECT key.)

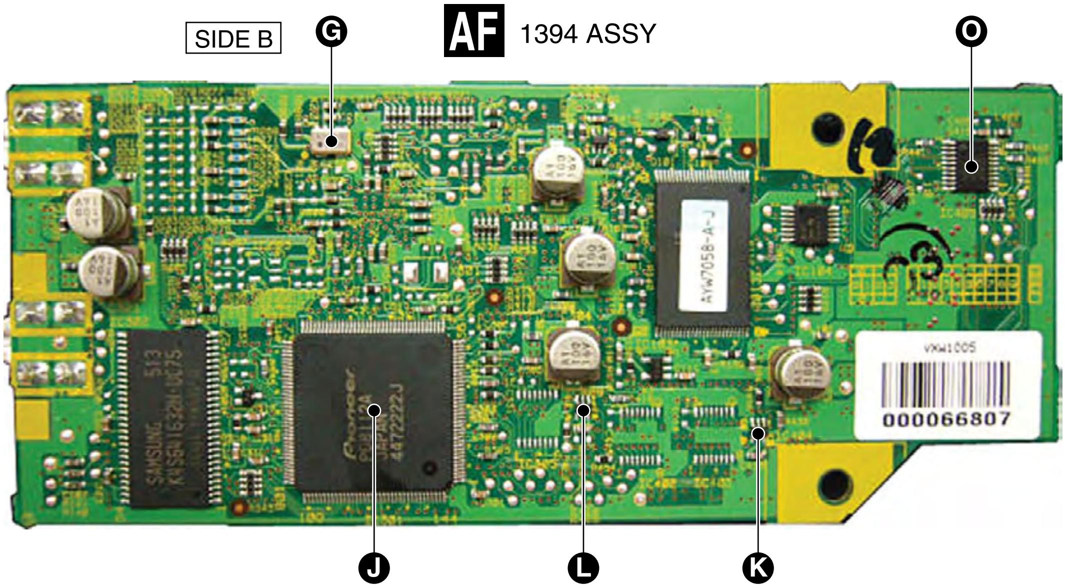

Step 5-3-2
O
IC405 (pins 12-18)
Are there clock and data ?
No
Check the soldering of IC405. If soldering has not been done correctly, replace IC405.
Yes
Check the DIGITAL MOTHER Assy.

■ 1394 Assy Check Points

AF 1394 ASSY SIDE A


M
A
C
D
B
I
H
F
N
E

SIDE B **AF** 1394 ASSY



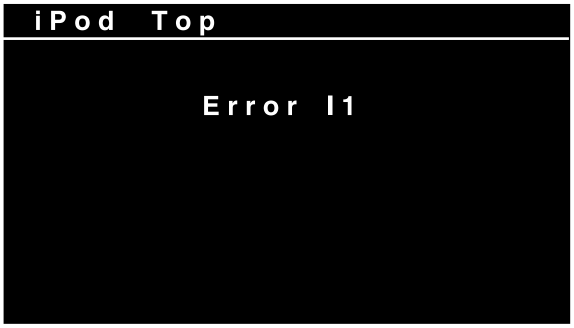
7.1.6 iPod INFORMATION

■ iPod players supported by this unit

This unit supports iPod, iPod mini, and iPod Photo players of the third or subsequent generation that have adopted the iPod Dock connector.
The iPod cable is available as parts (Part No.: ADE7119).

■ Error Messages

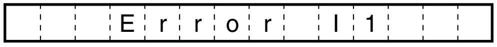
MONITOR OUT screen



iPod Top

Error I1

FL display

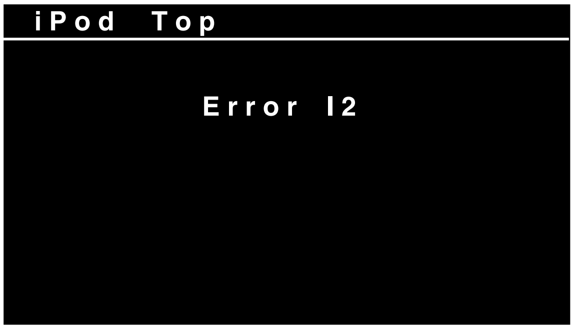


Error I1

[Cause]
There is a problem with the signal path from the iPod to the receiver.

[Measures]
Switch off the receiver and reconnect the iPod to the receiver.
If this doesn't seem to work, try resetting your iPod.

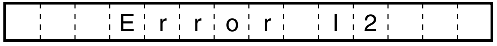
MONITOR OUT screen



iPod Top

Error I2

FL display

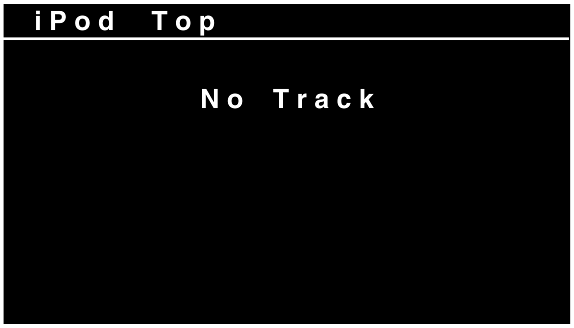


Error I2

[Cause]
The software version being used with the iPod needs to be updated.

[Measures]
Update the software being used with the iPod (software versions prior to iPod update 2004-10-20 are not supported).

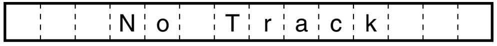
MONITOR OUT screen



iPod Top

No Track

FL display



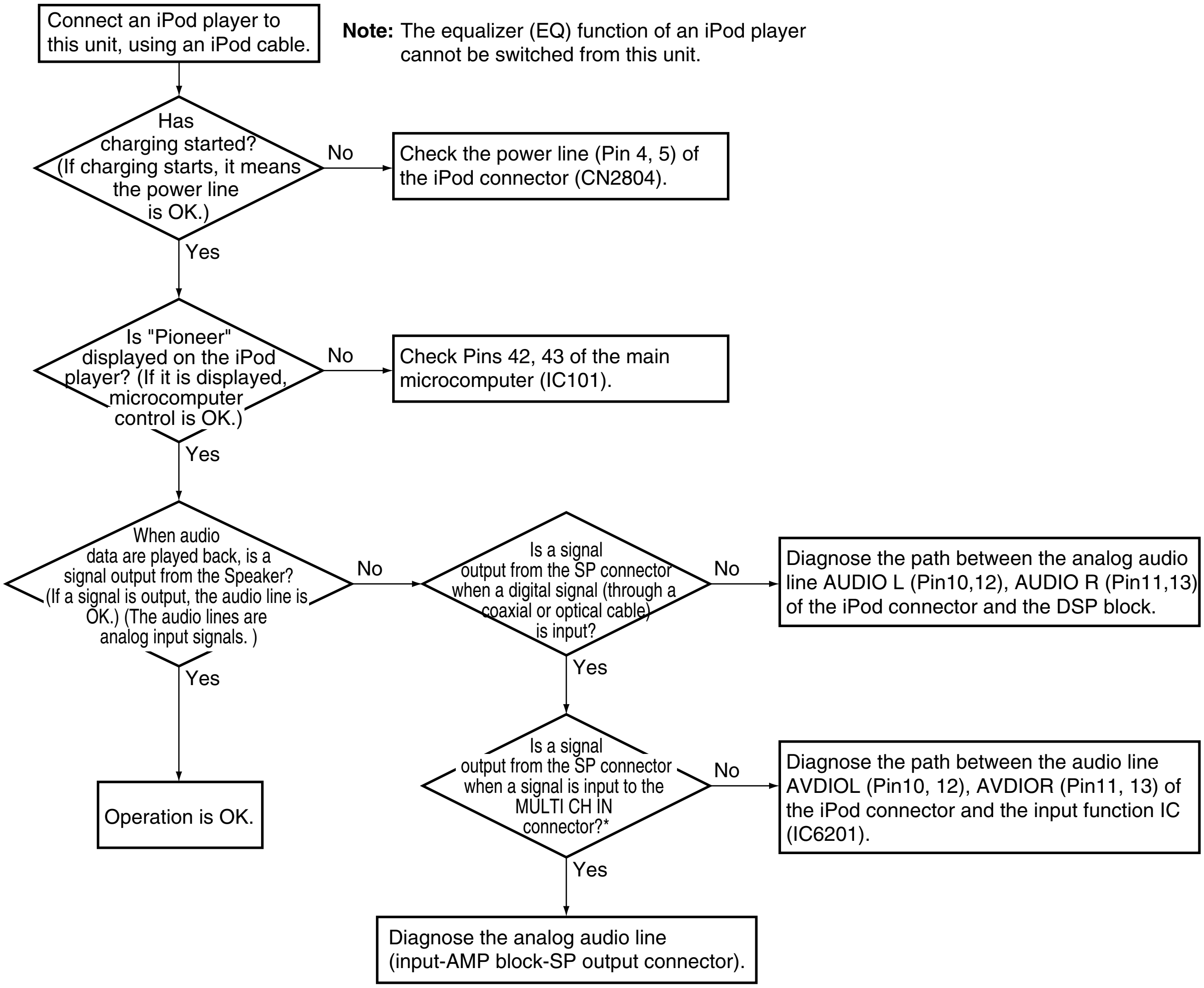
No Track

[Cause]
There are no playable songs currently stored in the iPod.

[Measures]
Input some music files compatible with iPod playback.

■ Operation check of iPod functions

Note: The equalizer (EQ) function of an iPod player cannot be switched from this unit.


Connect an iPod player to this unit, using an iPod cable.
Has charging started? (If charging starts, it means the power line is OK.)
No
Check the power line (Pin 4, 5) of the iPod connector (CN2804).
Yes
Is "Pioneer" displayed on the iPod player? (If it is displayed, microcomputer control is OK.)
No
Check Pins 42, 43 of the main microcomputer (IC101).
Yes
When audio data are played back, is a signal output from the Speaker? (If a signal is output, the audio line is OK.) (The audio lines are analog input signals.)
No
Is a signal output from the SP connector when a digital signal (through a coaxial or optical cable) is input?
No
Diagnose the path between the analog audio line AUDIO L (Pin10,12), AUDIO R (Pin11,13) of the iPod connector and the DSP block.
Yes
Operation is OK.
Yes
Is a signal output from the SP connector when a signal is input to the MULTI CH IN connector?*
No
Diagnose the path between the audio line AVDIOL (Pin10, 12), AVDIOR (Pin11, 13) of the iPod connector and the input function IC (IC6201).
Yes
Diagnose the analog audio line (input-AMP block-SP output connector).

* The "DIGITAL PRECISION PROCESSING" indicator on the front panel light off when switching "AUTO SURR/STREAM DIRECT" button to "PURE DIRECT" or listening through the multichannel analogue inputs.

7.1.7 XM RADIO INFORMATION

■ Products used for receiving XM Satellite Radio service

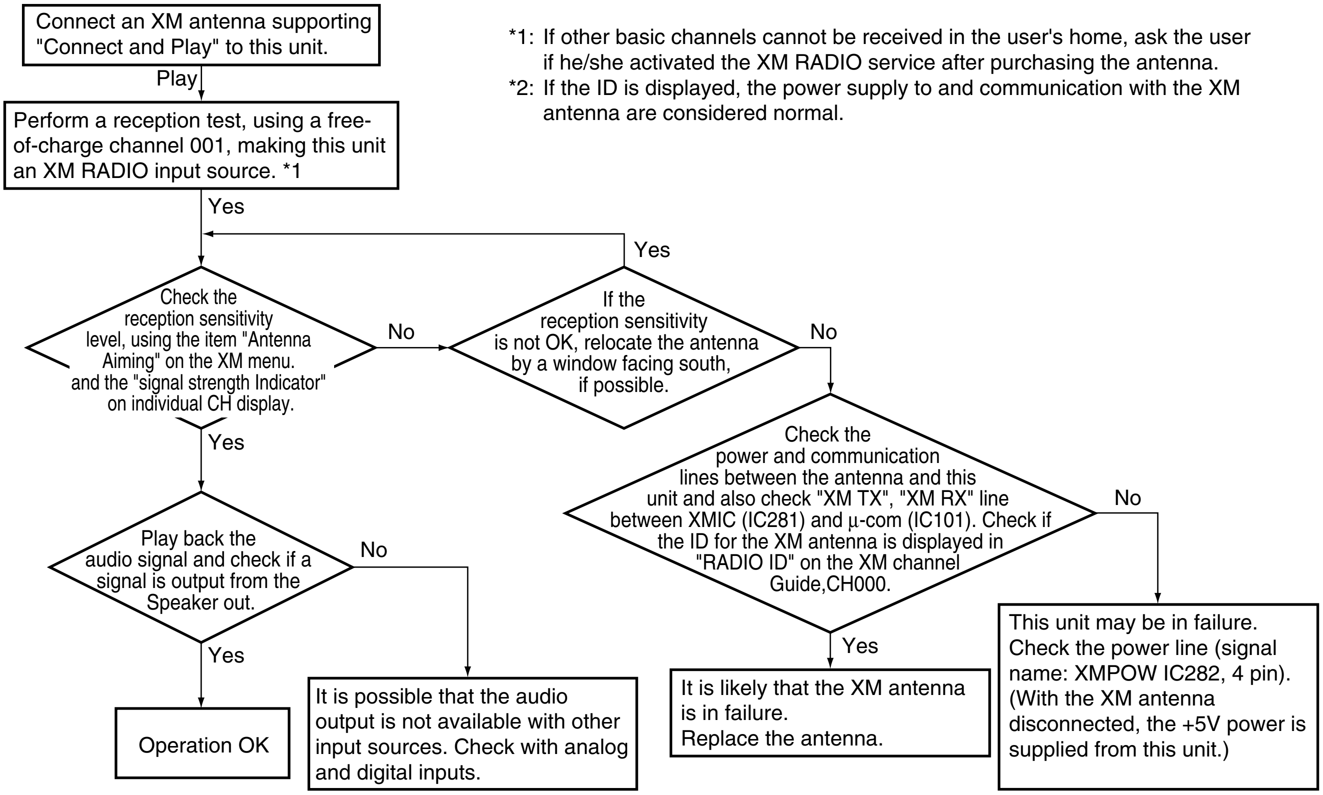
A commercially available "Connect and Play Antenna" can be used with this unit. To activate the XM RADIO service, it is necessary to receive a broadcast using your "Connect and Play Antenna."

■ About XM messages

Symptom	Cause	Measures
Check Antenna	An XM antenna is not connected.	Check whether the XM antenna cable is securely connected.
XM ANT ERR	A short-circuit is occurring in the XM antenna or the surrounding antenna cable.	Make sure that there is nothing unusual with the XM antenna or XM antenna cable. Turn the power off then back on.
Updating	The radio is being updated with the latest encryption code.	Wait until the encryption code is updated. Channels 00 and 01 should function normally.
No Signal	The XM signal is too weak at the current location.	
Loading	The unit is acquiring audio or program information.	Wait until the unit has received the information.
Off Air	The channel currently selected has stopped broadcasting.	Select another channel.
CH - - -	The user has selected a channel number that does not exist or is not subscribed to.	The receiver automatically switches to Channel 001 or a last-selected channel.
- - - - - - - -	There is no artist name/feature (song/program title), or channel category is associated with the channel.	No action needed.

■ Operation check of XM RADIO function

*1: If other basic channels cannot be received in the user's home, ask the user if he/she activated the XM RADIO service after purchasing the antenna.
*2: If the ID is displayed, the power supply to and communication with the XM antenna are considered normal.


Connect an XM antenna supporting "Connect and Play" to this unit.
Play
Perform a reception test, using a free-of-charge channel 001, making this unit an XM RADIO input source. *1
Yes
Yes
Check the reception sensitivity level, using the item "Antenna Aiming" on the XM menu. and the "signal strength Indicator" on individual CH display.
No
If the reception sensitivity is not OK, relocate the antenna by a window facing south, if possible.
No
Yes
Check the power and communication lines between the antenna and this unit and also check "XM TX", "XM RX" line between XMIC (IC281) and µ-com (IC101). Check if the ID for the XM antenna is displayed in "RADIO ID" on the XM channel Guide,CH000.
No
Play back the audio signal and check if a signal is output from the Speaker out.
No
Yes
Yes
Operation OK
It is possible that the audio output is not available with other input sources. Check with analog and digital inputs.
It is likely that the XM antenna is in failure. Replace the antenna.
This unit may be in failure. Check the power line (signal name: XMPOW IC282, 4 pin). (With the XM antenna disconnected, the +5V power is supplied from this unit.)

7.1.8 HOW TO UPDATE THE DSP FLASH ROM BY PLAYING BACK A CD

[Purpose]

By referring to this section, rewrite the DSP Flash ROM when required. Rewriting is instructed through service information, etc.
By playing back a CD-R on which a DSP program is recorded, using a normal CD player, rewriting is possible.

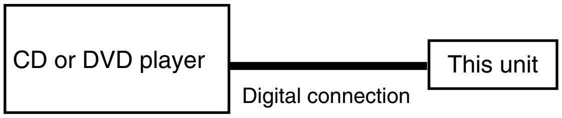
[Tools to be used]

Please use DVD plaer based on MTK system (DV-270, 370, 373, 575K, 280, 380, 383, etc.) ,Mitsubishi system (DV-59AVi, 868AVi, S969AVi, 668AVi, etc.) or Fujitsu system (DV-343, 444, 545, etc.) DO NOT use DVD player based on ST system (DV-353, 454, 250, 400, 555K, 260, 363, 464, 466, 563, etc.) The factory confirmed that DVD players based on ST system cannot send the correct data to the VSX unit using the update disc.
You can check the base system of our DVD players on the firmware version list at PSN web (Niis)

- Coaxial cable or Optical cable
- Update disc(CD-R disc)
- Headphone

[Connections]

Connect this unit and a player, as shown in the figure below.



[Preparations]

Burn the provided DSP program to a CD-R, using commercially available software for writing. It is necessary to select the writing format, "For music player", not "for PC data" format .

Note:

Depending on the writing format of the commercially available software to be used, data on a CD-R may not be used for DSP program rewriting. If the HDMI indicator does not flash when the disc is played back in the way indicated in Step 5 below, data burned on the CD-R are not appropriate. **To know whether the writing software is OK or not, play back the WMA9Pro stream stored on the last track of the disc. (Refer to "Troubleshooting" on next section.)**
If audio data are normally played back, the disc and the player can be used for updating. If audio data are not correctly played back (with noise, etc.), that writing software is not appropriate. Burn the DSP program on a CD-R disc, using other writing software.

[Note]

- **Do NOT disconnect the AC cords of this unit nor the CD/DVD player while rewriting is in progress.**
- **The "OK" indication displayed after updating means the checksum on the flash ROM is OK.**
  If the "OK" indication is not displayed, updating has not been completed.

Note that confirmation with audio check or version check is insufficient for checking if updating has been completed.
If you set the unit to STANDBY OFF without confirming of "OK" indication on the FL display, be sure to perform the updating procedures again.

[Procedures]

1. Reset the receiver.
   Note: Note that all the data the receiver retains will be cleared.

Resetting the system
Use this procedure to reset all the receiver’s settings to the factory default. Use the front panel controls to do this.

1 Switch the receiver into standby.

2 While holding down the front panel AV PARAMETER button, press and hold STANDBY/ON for about three seconds.
The display shows **RESET?**.

3 Press the front panel ENTER button.
The display shows **RESET OK?**.

4 Press SETUP to confirm.
OK appears in the display to indicate that the receiver has been reset to the factory default settings.
- Note that all settings will be saved, even if the receiver is unplugged.

[Procedures]

2. Check the versions of the DSP and microcomputer.
   Check the versions by referring to "Version indication" in "7.1.1 TEST MODE."

3. Connect a CD or DVD player.
   (1) Connect the CD or DVD player to be used for updating to any digital input connector of this unit.
   (2) With the INPUT SELECTOR, select the input being used.

4. Check if the digital signal is locked (received).
   (1) Play back a stream for updating with the player.
   (2) Set the receiver to normal setting, "Signal Select" to Auto, then check on the Signal Select indicator whether the input is set to Auto and Digital.

5. Start up this unit in writing mode.
   (1) Relocate the CD playback starting point to the beginning (time: 0:00) of the track No and pause playback.
   (2) Set the volume of the receiver to - ∞ dB and set the receiver to STANDBY OFF.
   (3) Simultaneously press and hold the ↑ and VIDEO SELECT keys until "DSPF DOWNLOAD" is displayed on the FL display. The unit enters writing mode.

6. Play back the track on CD disc.
   (1) Release Pause mode of the player and play back the track where the DSP program stream signal to be burned is stored.
   (2) After 5-10 seconds, the HDMI indicator starts flashing. Be sure to check that it is flashing.
   (3) Flashing indicates that a correct stream is being received and that updating is in progress.

   Note: Do NOT turn off the unit while the HDMI indicator is flashing. If the unit is turned off, be sure to go back to Step 5. (As the Flash ROM goes into unusual status if the power is off during rewriting, the unit may not start properly.) Even in such a case, you can restore the unit by performing Steps 5 to 8.

7. Wait until rewriting is completed.
   (1) Basically, wait until "OK" is displayed on the FL display. It takes about 2 minutes for updating.
   (2) After confirming that "OK" is displayed, stop or pause the player then after 5 seconds set the player to STANDBY OFF.

8. Check the version of the program after updating.
   (1) Check the version by simultaneously pressing and holding the STANDARD SURROUND and STANDBY keys.
   (2) For confirmation, check basic operations.

■ Troubleshooting

Symptoms	Items to be checked
The HDMI indicator does not start flashing, and 10 seconds or more has elapsed after a updating stream is input.	Is DSP writing mode entered? (Simultaneously press and hold the ↑ and VIDEO SELECT keys.)
	Is DIR locked? → You can check this on the Signal Select indicator if the input is set to Auto and Digital. If DIR is not locked, check the input function and digital connections between the player and this unit.
	Is the stream (Track No., etc.) being played back correct?
	Are compressed audio signals, such as WMA, being input when or after writing mode is entered ? → As soon as the compressed audio signals are input, writing mode is exited. It is recommended that playback be paused at the beginning of the track of a updating stream then writing mode is entered by simultaneous pressing of the keys. Release Pause mode after entering of writing mode is confirmed.
	Make sure that the player being used is appropriate for updating, in the following way: • Turn the receiver off. • Connect a speaker to the front channel of the receiver. • Turn the receiver back on normally. (Normal power on, not by simultaneous pressing of the keys) • Turn the volume up moderately. • Play back the WMA9Pro stream stored on the last track of the disc. **Note:** Do not turn the volume up too much, as a large noise may be generated when this test stream is played back on some players. → If music is played back normally, that player can be used for updating. ("WMA" indication on the FL display) → If noise is output, updating cannot be done with that player. Use another player. **Tips:** The fact that PCM data can be played back or that a dts-CD can be played back does not mean that the player can be used for updating.
Writing mode is not entered upon simultaneous pressing of the ↑ and VIDEO SELECT keys.	Is the volume control of the receiver set to -∞ dB? If not, set it to -∞ dB (- - -).
	Reset the receiver then enter writing mode. **Note:** All the user data stored in the receiver are cleared when the receiver is reset.
"OK" is not displayed.	Is the track played back from the beginning to the end? → With the receiver in writing mode, be sure to play back the stream track twice.
	If an error is generated because any scratches on the disc, "OK" is not displayed. → In such a case, play back the same stream stored on another track as backup.

7.1.9 HOW TO UPDATE THE FLASH ROMS FOR VARIOUS MICROCOMPUTERS

■ HDMI, MAIN and DSP microcomputer

[Purpose]

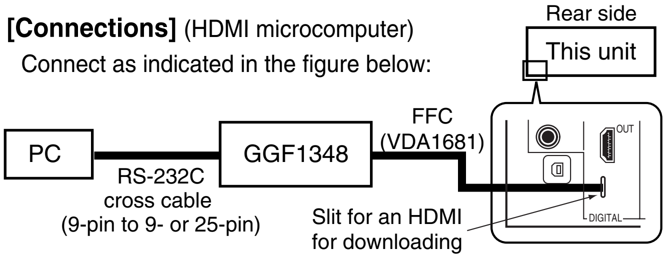
Refer to this section when updating of a Flash ROM is required by the service information, etc.

[Tools to be used]

- PC with a serial port
- RS-232C cable (9-pin to 9- or 25-pin, cross)
- Program for updating (ufu.exe)
- RS-232C I/F jig (GGF1348)
- Firmware ("mot" extension)
- 7-pin FFC (VDA1681)

[Connections] (HDMI microcomputer)

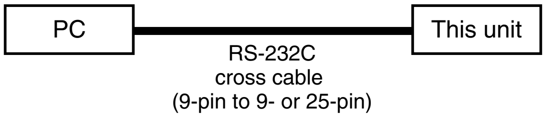
Connect as indicated in the figure below:



Rear side
This unit
PC
GGF1348
RS-232C
cross cable
(9-pin to 9- or 25-pin)
FFC
(VDA1681)
Slit for an HDMI
for downloading
OUT
DIGITAL

[Connections] (MAIN microcomputer)
(DSP microcomputer)

Connect as indicated in the figure below:



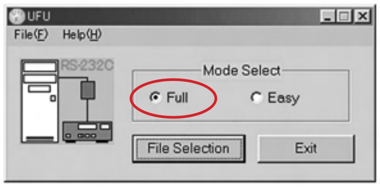
PC
This unit
RS-232C
cross cable
(9-pin to 9- or 25-pin)

[Note]

Do NOT disconnect the AC power cords of this unit nor the PC.

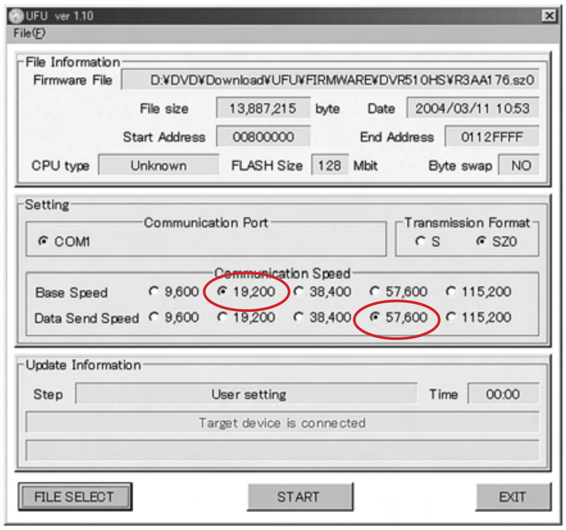
[Procedures]

1. Turn off the power to this unit by setting the main volume level to "---dB."
2. Connect the 232C I/F jigs and the PC, as indicated in "Connections."
3. (HDMI microcomputer) :
   Simultaneously press and hold the VSEL and ← keys for about 5 seconds.
   (MAIN microcomputer) :
   Simultaneously press and hold the VSEL and ↓ keys for about 5 seconds.
   (DSP microcomputer) :
   Simultaneously press and hold the VSEL and → keys for about 5 seconds.
4. The unit is turned on, and "HDMI DOWNLOAD", "MAIN DOWNLOAD" or "DSPM DOWNLOAD" is displayed.
5. Double-click on "ufu.exe".
6. Check that "Full" is selected in MODE SELECT.
7. Select the firm ware file with "mot" extension.
8. Select the communication speed.
   - Basic speed: 19200
   - Data transfer speed: 57600
9. Click on "START" button.
10. (HDMI microcomputer) :
    "Completed" is displayed for about 1 minutes in the"ufu.exe" window.
    (MAIN microcomputer), (DSP microcomputer) :
    "Completed" is displayed for about 3 minutes in the"ufu.exe" window.
11. Disconnect then reconnect the AC power cord of the unit. If the unit is not reset, retry from Step 2.
12. Check the version.
    Following the procedures described in "Version indication" in "7.1.1 TEST MODE," check that the version has been changed to a new one.



UFU
File(F) Help(H)
RS-232C
Mode Select
● Full
○ Easy
File Selection
Exit

Check that "Full" is selected in MODE SELECT.



UFU ver 1.10
File(F)
FILE SELECT
START
EXIT

File Information
Firmware File D:¥DVD¥Download¥UFU¥FIRMWARE¥DVR510HS¥R3AA176.sz0
File size 13,887,215 byte
Date 2004/03/11 10:53
Start Address 00800000
End Address 0112FFFF
CPU type Unknown
FLASH Size 128 Mbit
Byte swap NO

Setting
Communication Port ● COM1
Transmission Format ○ S ● SZ0
Communication Speed
Base Speed ○ 9,600 ● 19,200 ○ 38,400 ○ 57,600 ○ 115,200
Data Send Speed ○ 9,600 ○ 19,200 ○ 38,400 ● 57,600 ○ 115,200

Update Information
Step User setting
Time 00:00
Target device is connected

Select the communication speed.
- Basic speed: 19200
- Data transfer speed: 57600

7.1.10 DISASSEMBLY

Note : Even if the unit shown in the photos and illustrations in this manual may differ from your product, the procedures described here are common.

1. Before the Power Amp Block is removed

Before the Power Amp Block is removed, discharge C4209 and C4210 on the TRANS 2-1 Assy, as indicated below.
If you don't, the IC protectors (IC4261 and IC4262) on the VH TR Assy may be open, and DC voltage may be generated at the power amplifier output, which will result in "AMP ERR."

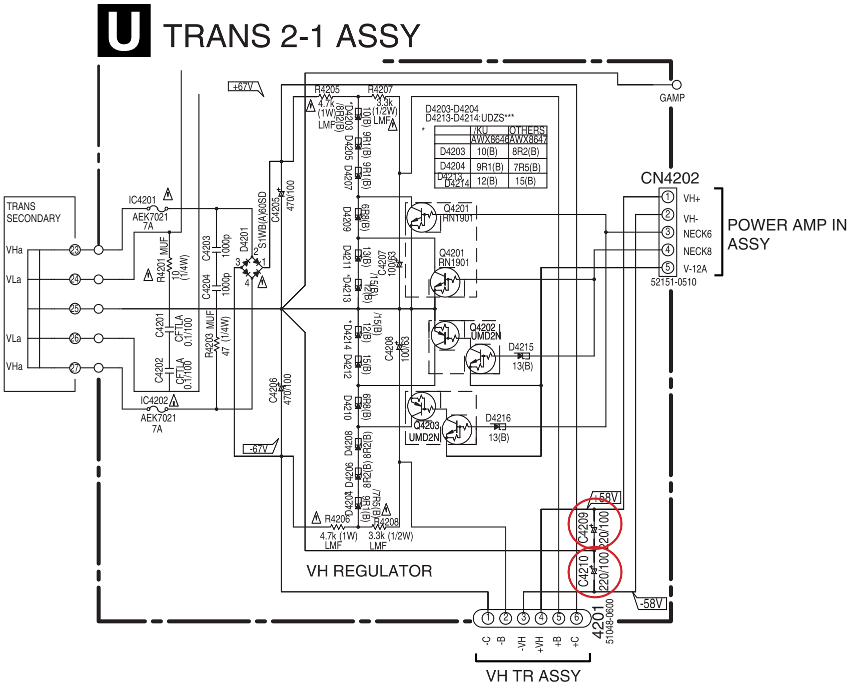
[Procedure]

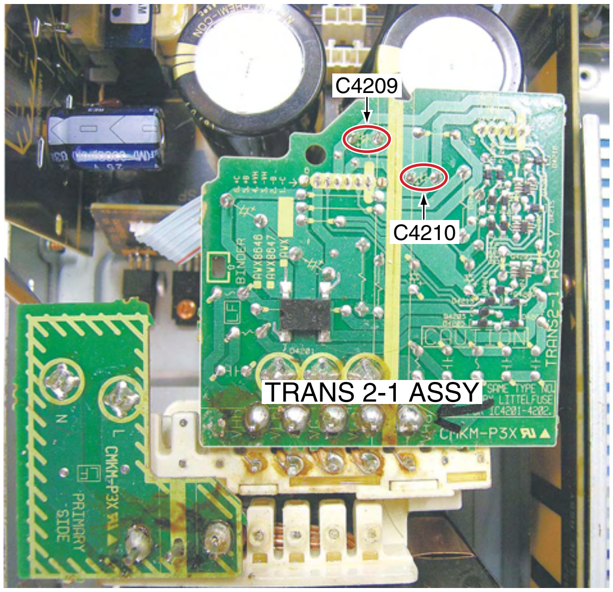
① Unplug the AC code.

② Discharge C4209 and C4210 on the TRANS 2-1 Assy.
Note: For discharging, use a load of 100Ω, 3W or more, to protect the IC protectors. Do NOT discharge instantly by short-circuiting.

③ Check that the voltage between the electrodes of each C4209 and C4210 is 1V or less.

④ Mount the Power Amp Block.


U TRANS 2-1 ASSY
TRANS SECONDARY
VHa
VLa
VLa
VHa
23
24
25
26
27
IC4201
AEK7021 7A
IC4202
AEK7021 7A
R4201 MUF 10 (1/4W)
R4203 MUF 47 (1/4W)
C4203 1000p
C4204 1000p
C4201 CFTLA 0.1/100
C4202 CFTLA 0.1/100
D4201 S1WB(A)60SD
C4205 470/100
C4206 470/100
+67V
-67V
R4205 4.7k (1W) LMF
R4207 3.3k (1/2W) LMF
R4206 4.7k (1W) LMF
R4208 3.3k (1/2W) LMF
*D4203 10(B) /8R2(B)
D4205 9R1(B)
D4207 9R1(B)
D4209 6R8(B)
D4211 13(B)
*D4213 12(B) /15(B)
*D4214 12(B) /15(B)
D4212 15(B)
D4210 6R8(B)
D4208 8R2(B)
D4206 8R2(B)
*D4204 9R1(B) /7R5(B)
C4207 100/63
C4208 100/63
D4203-D4204
D4213-D4214:UDZS***
* | /KU AWX8646 | OTHERS AWX8647
D4203 | 10(B) | 8R2(B)
D4204 | 9R1(B) | 7R5(B)
D4213 D4214 | 12(B) | 15(B)
Q4201 RN1901
Q4201 RN1901
Q4202 UMD2N
Q4203 UMD2N
D4215 13(B)
D4216 13(B)
GAMP
CN4202
VH+
VH-
NECK6
NECK8
V-12A
52151-0510
POWER AMP IN ASSY
+58V
-58V
C4209 220/100
C4210 220/100
VH REGULATOR
4201
51048-0600
-C
-B
-VH
+VH
+B
+C
VH TR ASSY

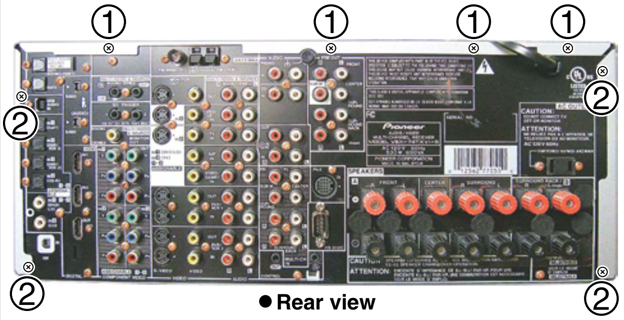

C4209
C4210
TRANS 2-1 ASSY

2. Disassembly

1 Bonnet

① Remove the four screws.

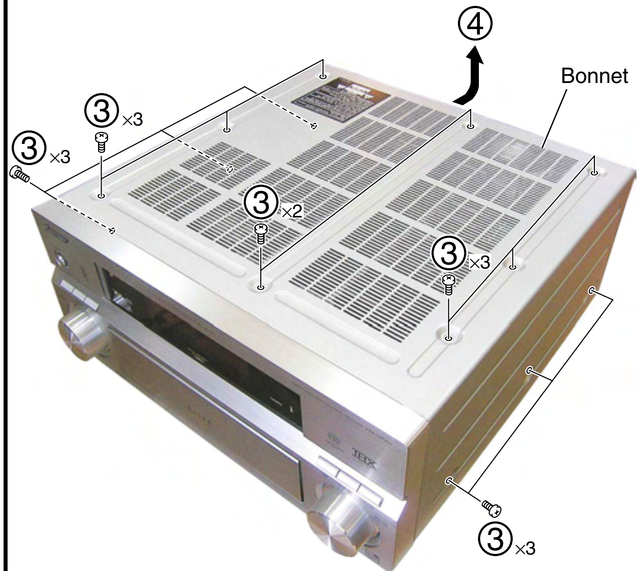
② Remove the four screws.



● **Rear view**

③ Remove the fourteen screws.

④ Remove the bonnet.

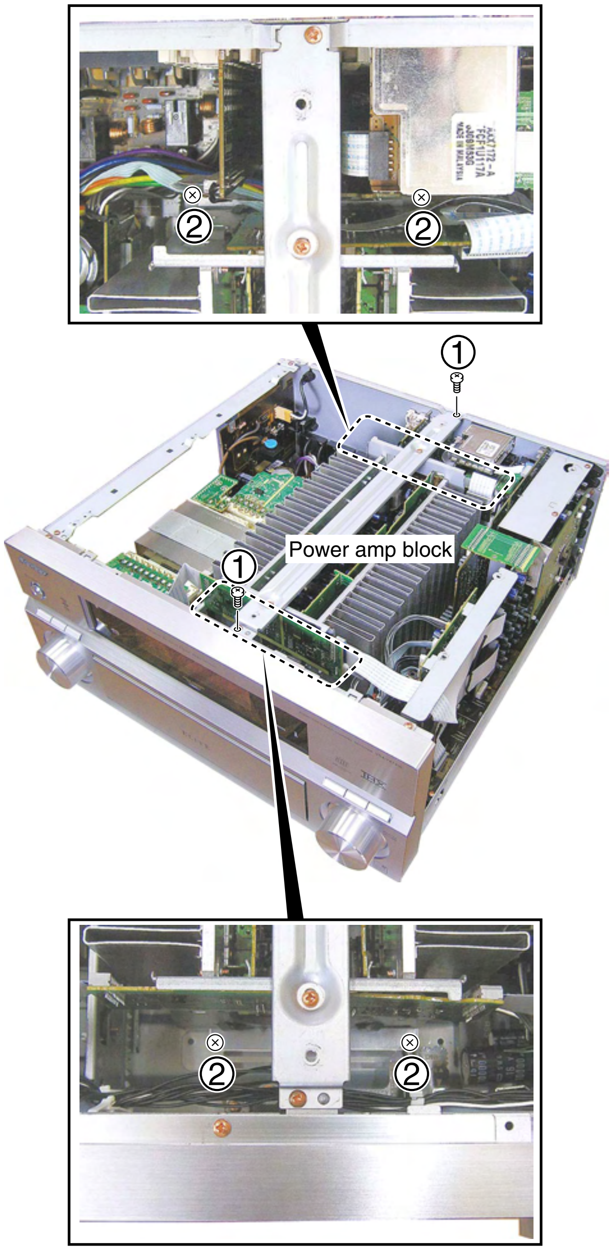

④
Bonnet
③ ×3
③ ×3
③ ×2
③ ×3
③ ×3

2 Power Amp Block

Before removing the power AMP Block, discharge C4209 and C4210 on TRANS 2-1 Assy.
Refer to "1. Before the Power AMP Block is removed".

① Remove the two screws.

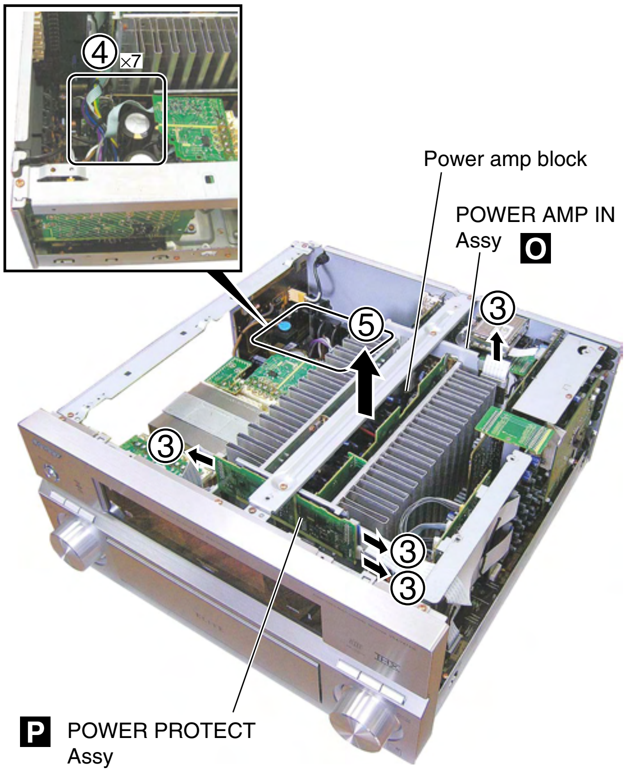
② Remove the four screws.

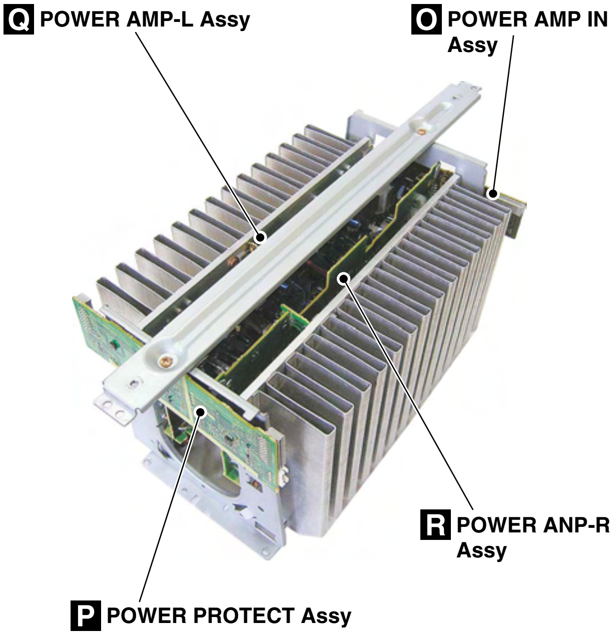

②
②
①
Power amp block
①
②
②

③ Disconnect the three flexible cables and one connector.

④ Disconnect the six connectors and one jumper.

⑤ Remove the power amp block.


④×7
Power amp block
POWER AMP IN Assy O
③
⑤
③
③
③
P POWER PROTECT Assy

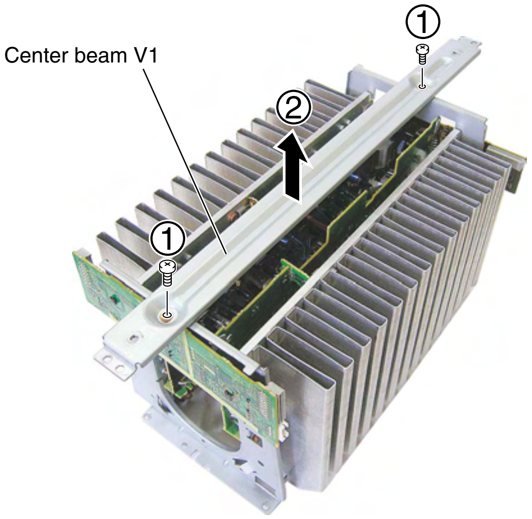

Q POWER AMP-L Assy
O POWER AMP IN Assy
R POWER ANP-R Assy
P POWER PROTECT Assy

3 Replacing the Power Transistor

• Center Beam V1

① Remove the two screws.

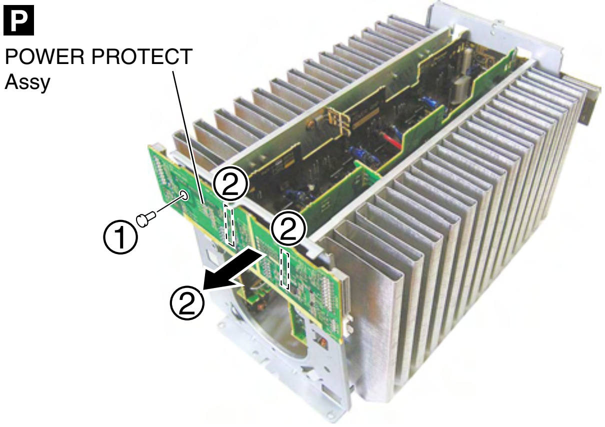
② Remove the center beam V1.


Center beam V1
①
②
①

• POWER PROTECT Assy

① Remove the one nylon rivet.

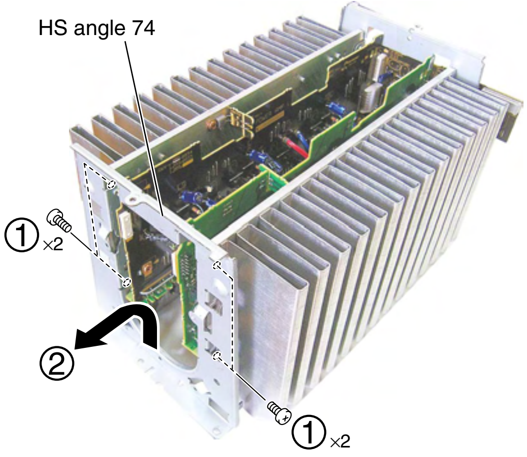
② Remove the POWER PROTECT Assy by removing the two connectors.


P
POWER PROTECT Assy
②
①
②
②

• HS Angle 74

① Remove the four screws.

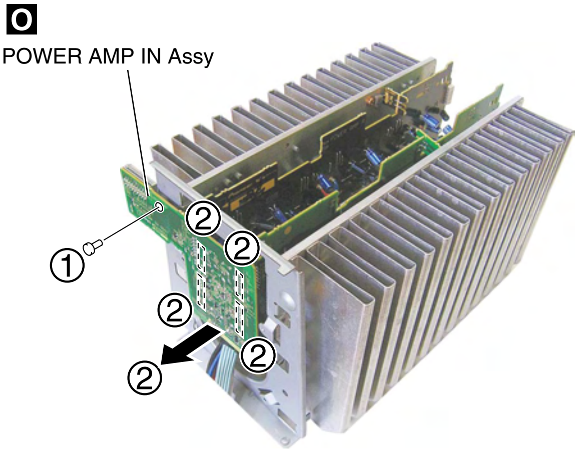
② Remove the HS angle 74.


HS angle 74
① ×2
②
① ×2

• POWER AMP IN Assy

① Remove the one nylon rivet.

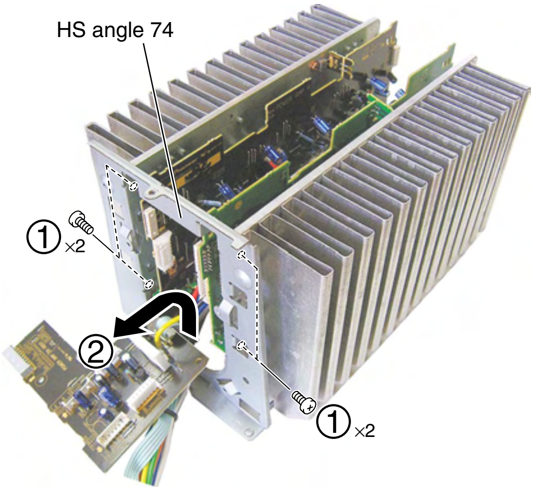
② Remove the POWER AMP IN Assy by removing the four connectors.


O
POWER AMP IN Assy
①
②
②
②
②
②

• HS Angle 74

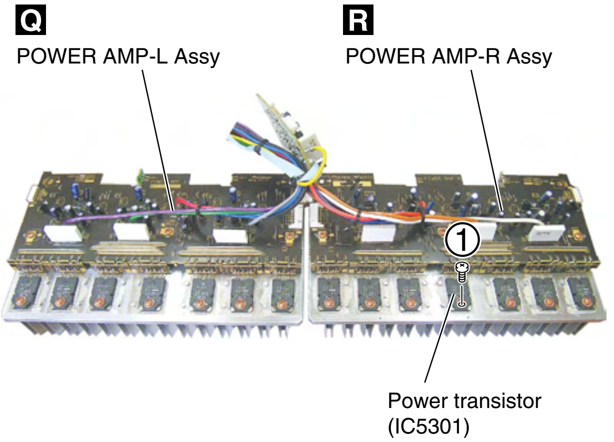
① Remove the four screws.

② Remove the HS angle 74.


HS angle 74
① ×2
②
① ×2

• Replacing the Power Transistor

① Remove the screw.


Q
POWER AMP-L Assy
R
POWER AMP-R Assy
①
Power transistor
(IC5301)

Replace

4 Replacing the HDMI & DVC ASSY

• Rear Panel

① Remove the four cushion circle 16Bs.

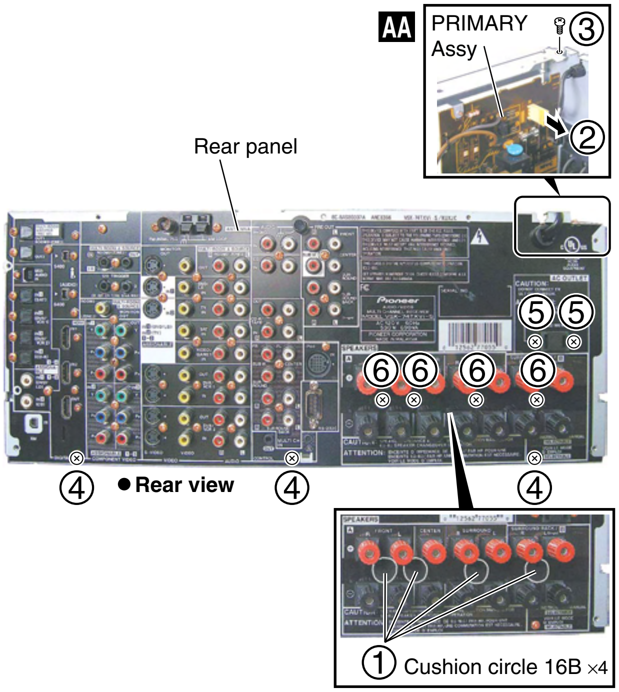
② Disconnect the one connector.

③ Remove the screw.

④ Remove the three screws.

⑤ Remove the two screws.

⑥ Remove the four screws.

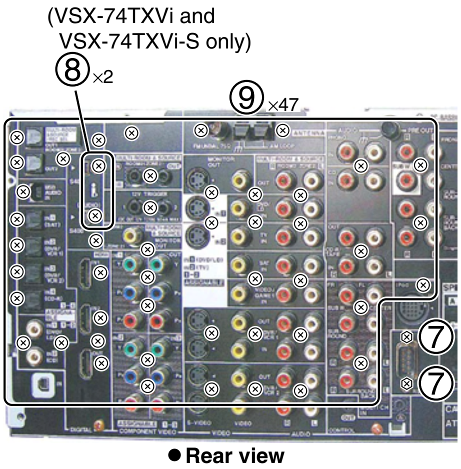

AA PRIMARY Assy
③
②
Rear panel
⑤ ⑤
⑥ ⑥ ⑥ ⑥
④
● Rear view
④
④
① Cushion circle 16B ×4

⑦ Remove the two screws.

⑧ Remove the two screws.
(VSX-74TXVi and VSX-74TXVi-S only)

⑨ Remove the 47 screws.

⑩ Remove the rear panel.

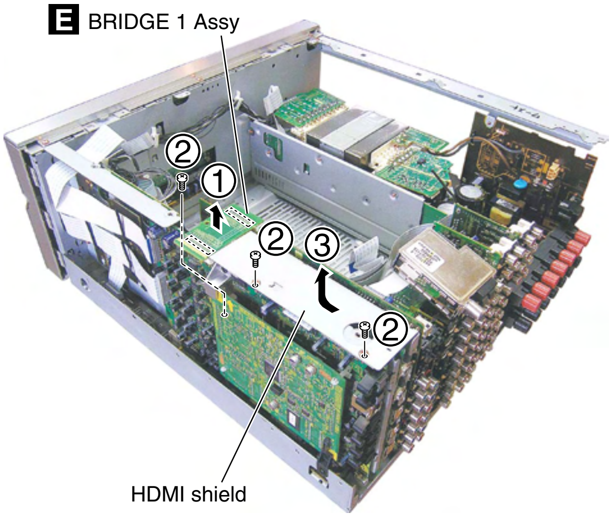

(VSX-74TXVi and
VSX-74TXVi-S only)
⑧ ×2
⑨ ×47
⑦
⑦
● Rear view

• HDMI Shield

① Remove the BRIDGE 1 Assy by removing the two connectors.

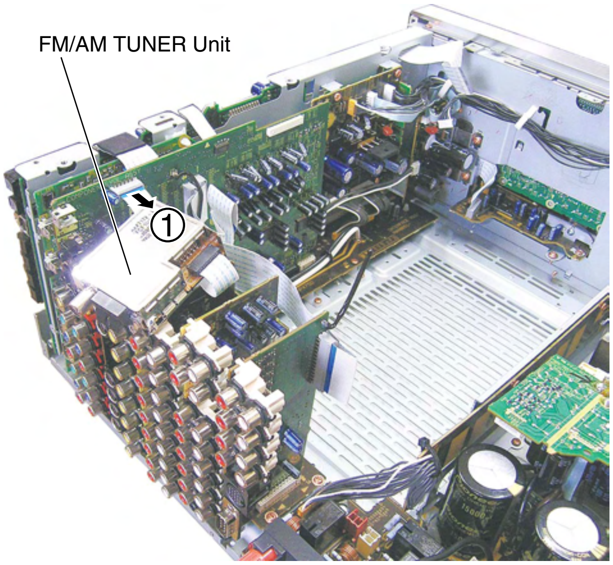
② Remove the three screws.

③ Remove the HDMI shield.


E BRIDGE 1 Assy
②
①
②
③
②
HDMI shield

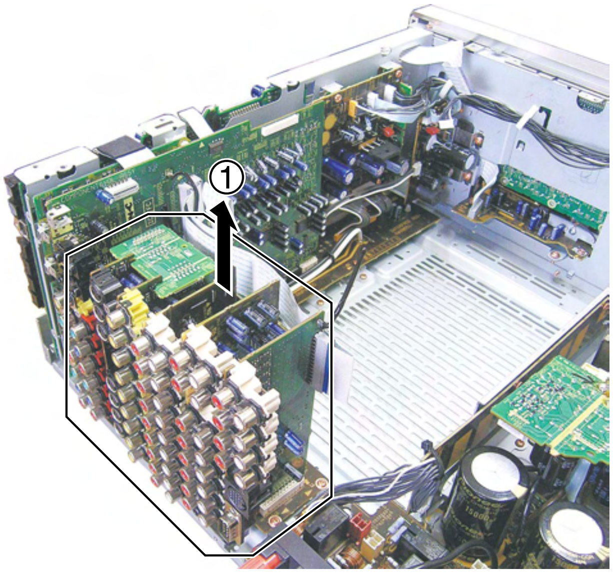
• FM/AM TUNER Unit

① Remove the FM/AM TUNER Unit by removing the one flexible cable.


FM/AM TUNER Unit
①

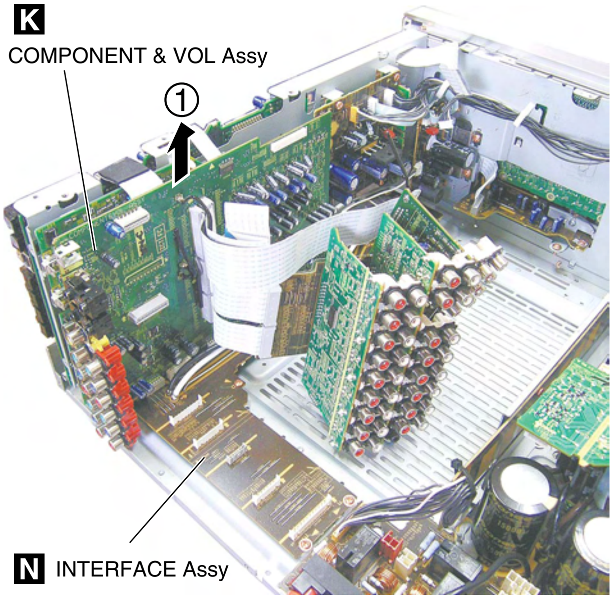
• PCB Assys

① Remove the PREOUT & CONTROL, AUDIO & MULTI CH IN, V-AUDIO, COMPOSITE V, S VIDEO, BRIDGE 2 and BRIDGE 3 Assys from the INTERFACE Assy.



• COMPONENT & VOL Assy

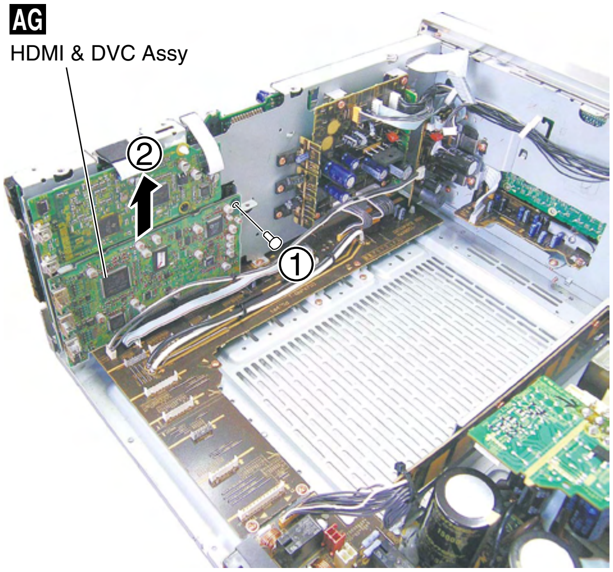
① Remove the COMPONENT & VOL Assy from the INTERFACE Assy.


K
COMPONENT & VOL Assy
①
N INTERFACE Assy

• HDMI & DVC Assy

① Remove the nyron rivet.

② Remove the HDMI & DVC Assy from the INTERFACE Assy.


AG
HDMI & DVC Assy
②
①

Replace

5 Replacing the INTERFACE ASSY

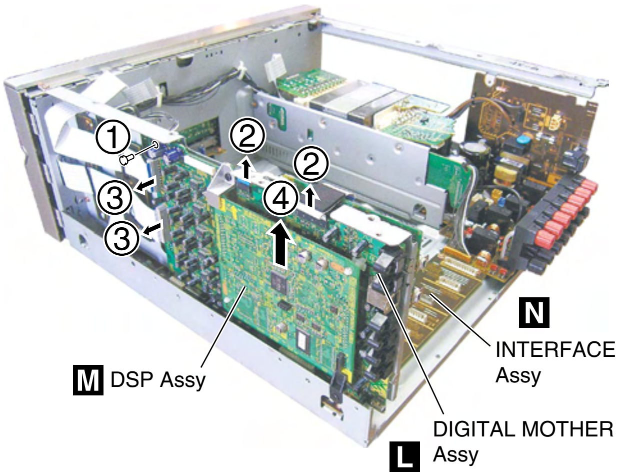
- **DIGITAL MOTHER Assy**

① Remove the nyron rivet.

② Disconnect the two flexible cables.
(VSX-74TXVi and VSX-74TXVi-S only)

③ Disconnect the two flexible cables.

④ Remove the DIGITAL MOTHER Assy with DSP Assy from the INTERFACE Assy.

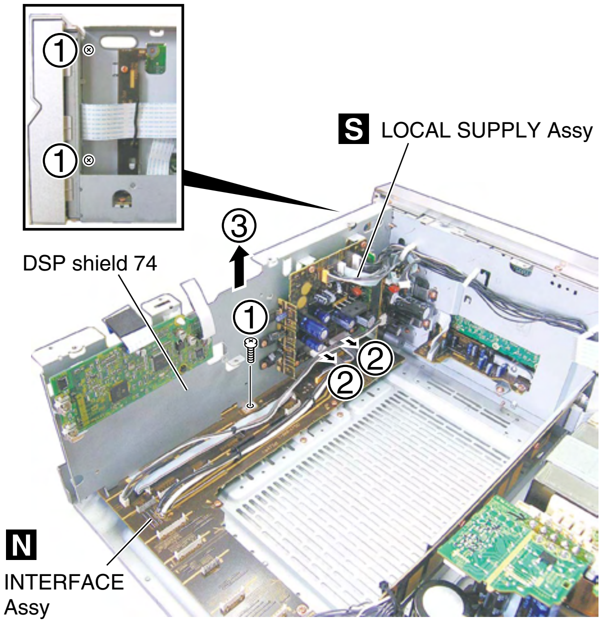

①
②
②
③
④
③
N
INTERFACE Assy
M DSP Assy
DIGITAL MOTHER Assy
L

- **DSP Shield 74**

① Remove the three screws.

② Disconnect the two connectors.

③ Remove the DSP shield 74.

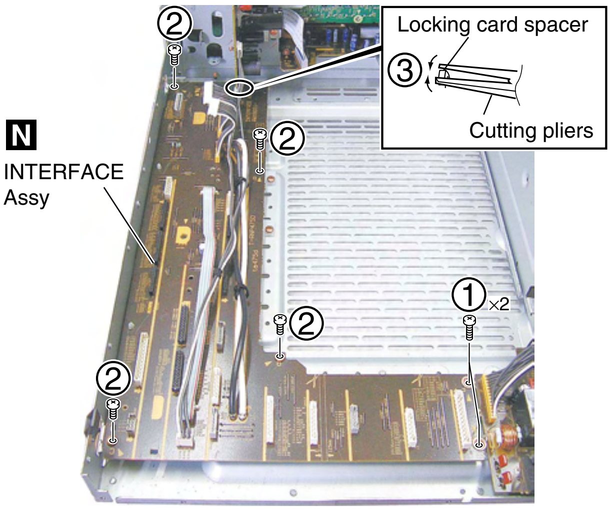

①
①
S LOCAL SUPPLY Assy
③
DSP shield 74
①
②
②
N
INTERFACE Assy

- **INTERFACE Assy**

① Remove the two screws.

② Remove the four screws.

③ Release the locking card spacer.


②
Locking card spacer
③
Cutting pliers
N
INTERFACE Assy
②
①×2
②
②

④ Remove the INTERFACE Assy.

Replace

7.1.11 HOW TO DIAGNOSE THE PRODUCT WITH THE POWER AMP BLOCK REMOVED

The failure in the Power Amp Block is suspected as shown in the table below.

Symptom that is highly suspected to be caused by a failure in the Power Amp Block	Possible cause
① The power cannot be turned on, and the MCACC LED is flashing.	The DC detection circuit is activated in order to prevent extension of the failure. **Note:** See "7.1.12 Failure Diagnosis of the Power Amp Block."
② The unit is shut down after "AMP ERR" is displayed on the FL display. Then the unit goes into the state described in ① above.	
③ "OVER HEAT" is displayed on the FL display.	The posistors (TH5001 and TH5301) in the Power Amp Block are open. **Note:** The resistance of the thermistor at normal temperature is about 330 ohms.
④ The unit is shut down without an error message on the FL display. Then the PHASE CONTROL LED flashes.	Power Amp overloaded, defective overload-detection circuit in the Power Amp Block, etc.

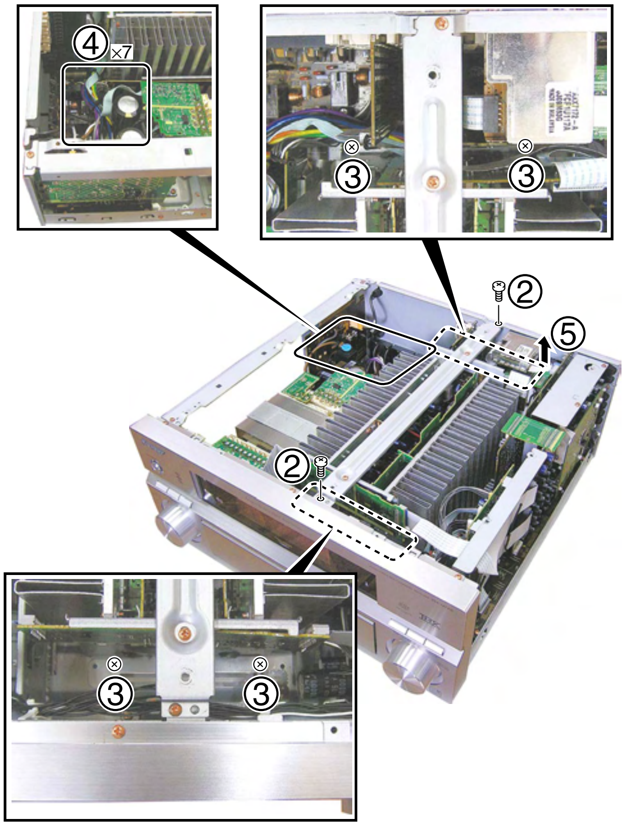
Failure diagnosis with the power on is not possible for some board assys, because the large Power Amp Block lies in the way. However, if the Power Amp Block is removed, the thermistor connected to the Power Amp Block is disconnected, which will activate the protection circuits.

To enable failure diagnosis of those board assys, after the Power Amp Block is removed in the manner described below.

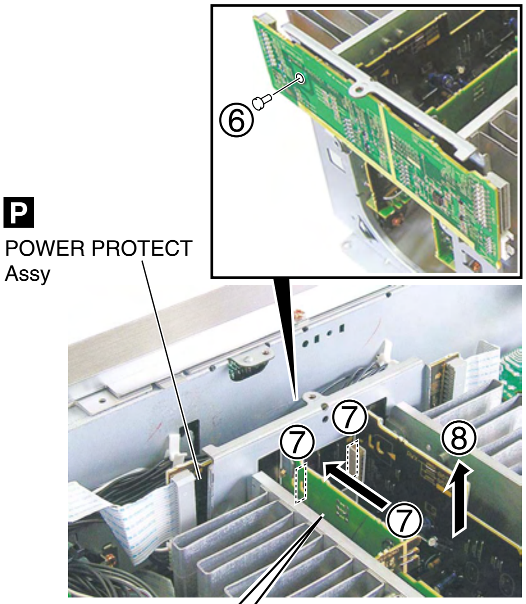
[Procedures]

① Remove the bonnet by removing the 22 screws.

② Remove the two screws.
③ Remove the four screws.
④ Disconnect the six connectors and one jumper.
⑤ Disconnect the flexible cable.



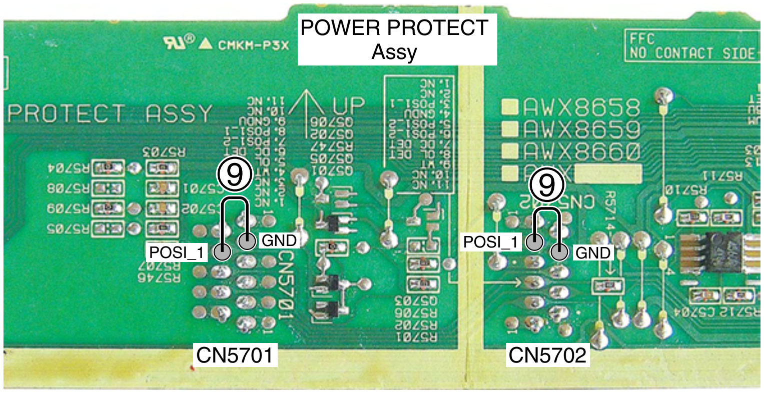
⑥ Remove the nylon rivet.
⑦ Remove the POWER PROTECT Assy from the Power Amp Block.
⑧ Remove the Power Amp Block.



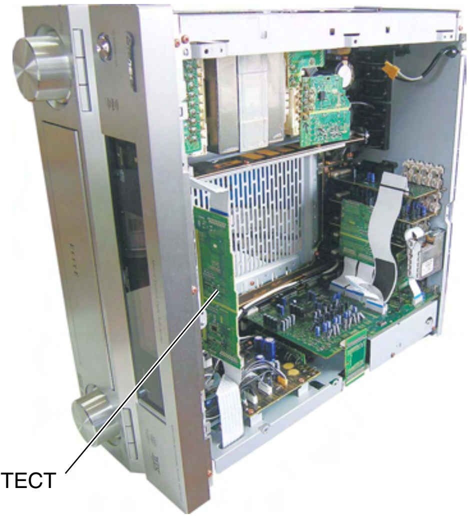
The POWER PROTECT Assy can be easily removed with no load applied to the connectors if you pull out the board by pushing on it at its center from the rear.

Note:
To prevent an electric shock hazard, after removing the Heat Sink Block, discharge the condenser of the ±VL line, by discharging CN4101 or CN4102 on the SP/PS Assy, using a discharging resistor. (It is recommended to make a resistance of 100 ohms or more in the series-parallel connection, using four or more discharging resistors of 100 ohms, 3 W.)

⑨ Short circuit between pin8 (POSI_1) and pin 9 (GND) of CN5701 of the POWER PROTECT Assy, and Pin 3 (POSI_1) and pin 4 (GND) of CN5702 .



⑩ Turn the power on. (The power is on without the protection circuits activated.)



Diagnose

⚠ Warning: Before putting the Power Amp Block back

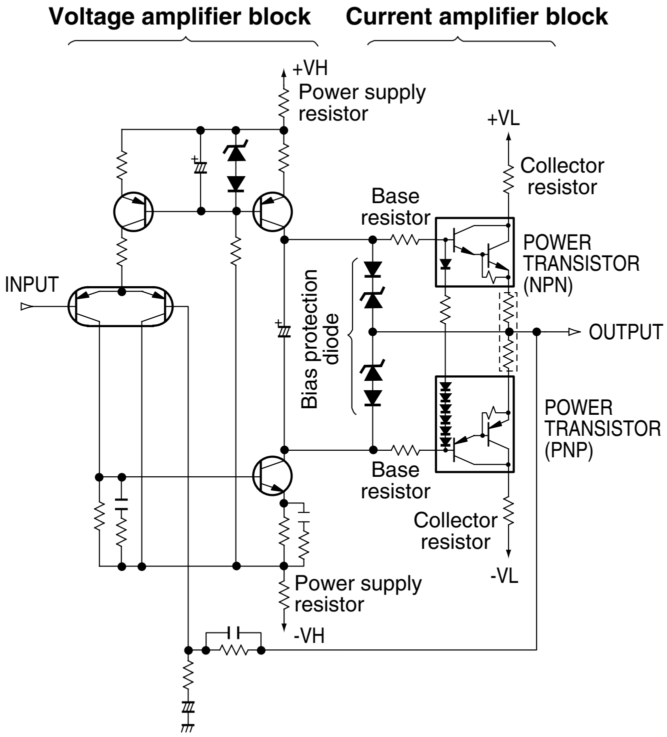
After performing a diagnosis, be sure to remove the solders at short circuit points. Also, be sure to discharge the electric charges of the VH line (charges of the electrolytic condenser) before putting the Power Amp Block back. (See "1. Before the Power Amp Block is removed.")

Note: If you connect the connectors without discharging, some parts, such as a resistor or Fuse IC on VH line, may be damaged by the inrushing current.

7.1.12 FAILURE DIAGNOSIS OF THE POWER AMP BLOCK

If "AMP ERR" flashes on the FL display immediately after the power is turned on, then the unit is shut down, the power amplifier block is damaged, and DC voltage is output. In this case, either or both of the current and voltage amplifier block(s) is(are) damaged. Herein is described how to diagnose which block is in failure.

Most cases of damage in the power amplifier block are damage on the power transistor caused by excess power consumption, such as short-circuiting of the speaker terminals and use of low-impedance speakers that are not guaranteed. The failure diagnosis is therefore conducted on the current amplifier block first, then on the voltage amplifier block.



Notes:

- During diagnosis of the amplifier block with the power on, if you touch a high-impedance circuit (in particular, both ends of 100-ohm base resistance of the power transistor) with the probe of an oscilloscope or a tester, the circuit may be damaged by oscillation of an oscilloscope or a tester.
- While a failure diagnosis is being conducted with the power on, do NOT touch parts other than the power, input, and output blocks.
- Only the points with CP (check point) marks in the schematic diagram can be diagnosed while the power is on.

1. Damage on the current amplifier block

Check of the power transistor and collector resistance of each channel, using a tester

Tips:

In most cases where the current amplifier block is damaged by an excess power consumption of the power transistor, damage is caused by short-circuiting between the collector and emitter. The collector resistor is open because of large collector current.
In this case, the channel in failure can be identified by checking on which channel the resistance between C and E of the power transistor is 0 Ω (some hundreds of ohms or less) and the resistor of collector resistor is ∞ Ω. As a damage scar appears on the surface of the part when the collector resistor is open, you can also check it by visual inspection.

Note:

Even if the result of the measurement of resistance with the tester shows that the power transistor is not short-circuited, that power transistor may be damaged if the paired push-pull power transistor has been damaged. Therefore, it is recommended to replace both parts when either needs to be replaced.

2. Damage on the voltage amplifier block

Check of the base resistance (100 Ω) and Power supply (±VH) resistor (4.7 Ω) of each channel, using a tester

Tips:

In most cases, the voltage amplifier block is damaged by oscillation generated by a special load connection, a large-amplitude output at higher frequencies out of the audible range, or an influence of damage on the current amplifier block (power transistors). In many cases, the base resistance (100 Ω) is damaged. It is necessary to check each part of the voltage amplifier block, as damage may have been extended to other parts.
In most cases, the resistors are open/damaged, or the transistors or diodes are short-circuited/damaged.

- The resistors must not be open (the resistance must not be higher than the indicated value).
- The terminals of transistors or diodes must not be short-circuited (the resistance must not be extremely low).
  (If the resistance is low but you are not sure if it is extremely low, compare the value with that of the normal channel.)

If the voltage amplifier block is damaged, Power supply (±VH) resistor (4.7 Ω) may also be damaged.

3. Other damage

Check of the bias protection diodes

Tips:

If the power amplifier is damaged, the bias protection diodes may be deteriorated or open.
For a channel that has been diagnosed to be in failure, the Vf (forward descending voltage) of the four diodes must be checked to confirm that they are not deteriorated or open, using a tester, after repair of the amplifier. If these diodes are deteriorated, its distortion/frequency characteristics may be affected. If these diodes are open, the scale of damage on the power transistors may be extended if any abnormality is generated in the amplifier next time.

■ Operating temperature of the posistor assembling to the heat sink

	No.	Part No.	Operating temperature	Purpose	Operation
POS1L	TH5001	PTFM04BC222Q2N34B0	105 °C	Detection of abnormal temperature	OVERHEAT perform at more than 105 °C
POS1R	TH5301	PTFM04BC222Q2N34B0	105 °C	Detection of abnormal temperature	OVERHEAT perform at more than 105 °C
POS2	TH5002	–	–	–	–

* Operating temperature is body temperature of the posistor (the metal part).

7.2 PARTS

7.2.1 IC

- The information shown in the list is basic information and may not correspond exactly to that shown in the schematic diagrams.

● List of IC

IC101(ADSP-21266SKSTZ-2D), IC104(TC7W139FU), IC106(CY7C1049CV33-12VXC), IC101(PEG116A), IC103,IC2281,IC2282,IC203,IC211(CD4094BPW), IC2640,IC2407,IC2008,IC2009(CD4094BNS), IC201(PEG117A), IC281(F2602E-01), IC282(AAT4618IGV-0.5-1), IC304,IC305,IC318(SN74LVC1G97DCK), IC101(SiI9031CTU) IC301(SiI9030CTU), IC401(ADV7400AKSTZ-80), IC501(PEG118A), IC3201(PE5503A), IC2007(PDC131A)

■ ADSP-21266SKSTZ-2D (DSP ASSY: IC101)

- DSP IC

● Pin Function

No.	Pin Name	I/O	Pin Function
1	VDDINT	–	Core power supply (+1.2V)
2	CLKCFG0	I	Core/CLKIN ratio control
3	CLKCFG1	I	Core/CLKIN ratio control
4	BOOTCFG0	I	Boot configuration select
5	BOOTCFG1	I	Boot configuration select
6	GND	–	Power supply return
7	VDDEXT	–	I/O power supply (+3.3V)
8	GND	–	Power supply return
9	VDDINT	–	Core power supply (+1.2V)
10	GND	–	Power supply return
11	VDDINT	–	Core power supply (+1.2V)
12	GND	–	Power supply return
13	VDDINT	–	Core power supply (+1.2V)
14	GND	–	Power supply return
15	FLAG0	I/O	Flag pin
16	FLAG1	I/O	Flag pin
17	AD7	I/O	Parrallel port address/Data
18	GND	–	Power supply return
19	VDDINT	–	Core power supply (+1.2V)
20	GND	–	Power supply return
21	VDDEXT	–	I/O power supply (+3.3V)
22	GND	–	Power supply return
23	VDDINT	–	Core power supply (+1.2V)
24	AD6	I/O	Parrallel port address/Data
25	AD5	I/O	Parrallel port address/Data
26	AD4	I/O	Parrallel port address/Data
27	VDDINT	–	Core power supply (+1.2V)
28	GND	–	Power supply return
29	AD3	I/O	Parrallel port address/Data
30	AD2	I/O	Parrallel port address/Data
31	VDDEXT	–	I/O power supply (+3.3V)
32	GND	–	Power supply return
33	AD1	I/O	Parrallel port address/Data
34	AD0	I/O	Parrallel port address/Data
35	$\overline{\text{WR}}$	I	Parallel port write enable
36	VDDINT	–	Core power supply (+1.2V)
37	VDDINT	–	Core power supply (+1.2V)
38	GND	–	Power supply return
39	$\overline{\text{RD}}$	O	Parallel port read enable
40	ALE	I	Parallel port address latch enable
41	AD15	I/O	Parrallel port address/Data
42	AD14	I/O	Parrallel port address/Data
43	AD13	I/O	Parrallel port address/Data
44	GND	–	Power supply return
45	VDDEXT	–	I/O power supply (+3.3V)
46	AD12	I/O	Parrallel port address/Data

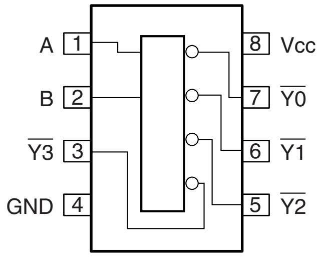
No.	Pin Name	I/O	Function
47	VDDINT	–	Core power supply (+1.2V)
48	GND	–	Power supply return
49	AD11	I/O	Parrallel port address/Data
50	AD10	I/O	Parrallel port address/Data
51	AD9	I/O	Parrallel port address/Data
52	AD8	I/O	Parrallel port address/Data
53	DAI_P1 (SD0A)	I/O	Digital audio interface
54	VDDINT	–	Core power supply (+1.2V)
55	GND	–	Power supply return
56	DAI_P2 (SD0B)	I/O	Digital audio interface
57	DAI_P3 (SCLK0)	I/O	Digital audio interface
58	GND	–	Power supply return
59	VDDEXT	–	I/O power supply (+3.3V)
60	VDDINT	–	Core power supply (+1.2V)
61	GND	–	Power supply return
62	DAI_P4 (SFS0)	I/O	Digital audio interface
63	DAI_P5 (SD1A)	I/O	Digital audio interface
64	DAI_P6 (SD1B)	I/O	Digital audio interface
65	DAI_P7 (SCLK1)	I/O	Digital audio interface
66	VDDINT	–	Core power supply (+1.2V)
67	GND	–	Power supply return
68	VDDINT	–	Core power supply (+1.2V)
69	GND	–	Power supply return
70	DAI_P8 (SFS1)	I/O	Digital audio interface
71	DAI_P9 (SD2A)	I/O	Digital audio interface
72	VDDINT	–	Core power supply (+1.2V)
73	VDDEXT	–	I/O power supply (+3.3V)
74	GND	–	Power supply return
75	VDDINT	–	Core power supply (+1.2V)
76	GND	–	Power supply return
77	DAI_P10 (SD2B)	I/O	Digital audio interface
78	DAI_P11 (SD3A)	I/O	Digital audio interface
79	DAI_P12 (SD3B)	I/O	Digital audio interface
80	DAI_P13 (SCLK23)	I/O	Digital audio interface
81	DAI_P14 (SFS23)	I/O	Digital audio interface
82	DAI_P15 (SD4A)	I/O	Digital audio interface
83	VDDINT	–	Core power supply (+1.2V)
84	GND	–	Power supply return
85	GND	–	Power supply return
86	DAI_P16 (SD4B)	I/O	Digital audio interface
87	DAI_P17 (SD5A)	I/O	Digital audio interface
88	DAI_P18 (SD5B)	I/O	Digital audio interface
89	DAI_P19 (SCLK45)	I/O	Digital audio interface
90	VDDINT	–	Core power supply (+1.2V)
91	GND	–	Power supply return
92	GND	–	Power supply return
93	VDDEXT	–	I/O power supply (+3.3V)
94	DAI_P20 (SFS45)	I/O	Digital audio interface
95	GND	–	Power supply return

No.	Pin Name	I/O	Function
96	VDDINT	–	Core power supply (+1.2V)
97	FLAG2	I/O	Flag pin
98	FLAG3	I/O	Flag pin
99	VDDINT	–	Core power supply (+1.2V)
100	GND	–	Power supply return
101	VDDINT	–	Core power supply (+1.2V)
102	GND	–	Power supply return
103	VDDINT	–	Core power supply (+1.2V)
104	GND	–	Power supply return
105	VDDINT	–	Core power supply (+1.2V)
106	GND	–	Power supply return
107	VDDINT	–	Core power supply (+1.2V)
108	VDDINT	–	Core power supply (+1.2V)
109	GND	–	Power supply return
110	VDDINT	–	Core power supply (+1.2V)
111	GND	–	Power supply return
112	VDDINT	–	Core power supply (+1.2V)
113	GND	–	Power supply return
114	VDDINT	–	Core power supply (+1.2V)
115	GND	–	Power supply return
116	VDDEXT	–	I/O power supply (+3.3V)
117	GND	–	Power supply return
118	VDDINT	–	Core power supply (+1.2V)
119	GND	–	Power supply return
120	VDDINT	–	Core power supply (+1.2V)
121	$\overline{\text{RESET}}$	I	Processor reset
122	$\overline{\text{SPIDS}}$	I	Serial peripheral interface slave device select
123	GND	–	Power supply return
124	VDDINT	–	Core power supply (+1.2V)
125	SPICLK	I/O	Serial peripheral interface clock signal
126	MISO	I/O	SPI master in slave out
127	MOSI	I/O	SPI master out slave in
128	GND	–	Power supply return
129	VDDINT	–	Core power supply (+1.2V)
130	VDDEXT	–	I/O power supply (+3.3V)
131	AVDD	–	Analog power supply (+1.2V)
132	AVSS	–	Analog power supply return
133	GND	–	Power supply return
134	$\overline{\text{RSTOUT}}$/CLKOUT	O	Reset out/Local clock out
135	$\overline{\text{EMU}}$	O	Emulation status
136	TDO	O	Test data output (JTAG)
137	TDI	I	Test data input (JTAG)
138	$\overline{\text{TRST}}$	I	Test reset (JTAG)
139	TCK	I	Test clock (JTAG)
140	TMS	I	Test mode select (JTAG)
141	GND	–	Power supply return
142	CLKIN	I	Local clock in
143	XTAL	O	Crystal oscillator pin
144	VDDEXT	–	I/O power supply (+3.3V)

■ TC7W139FU (DSP ASSY : IC104)

• 2-to-4 Line Decoder

● Pin Arrangement (Top view)


A 1
B 2
$\overline{Y3}$ 3
GND 4
8 Vcc
7 $\overline{Y0}$
6 $\overline{Y1}$
5 $\overline{Y2}$

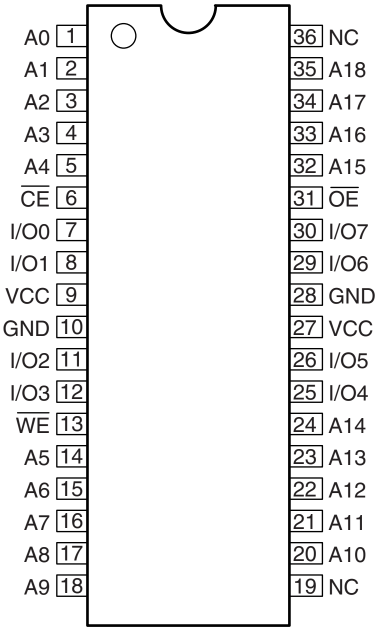
● Truth Table

Inputs		Outputs				Selected Output
Select						
B	A	$\overline{Y0}$	$\overline{Y1}$	$\overline{Y2}$	$\overline{Y3}$	
L	L	L	H	H	H	$\overline{Y0}$
L	H	H	L	H	H	$\overline{Y1}$
H	L	H	H	L	H	$\overline{Y2}$
H	H	H	H	H	L	$\overline{Y3}$

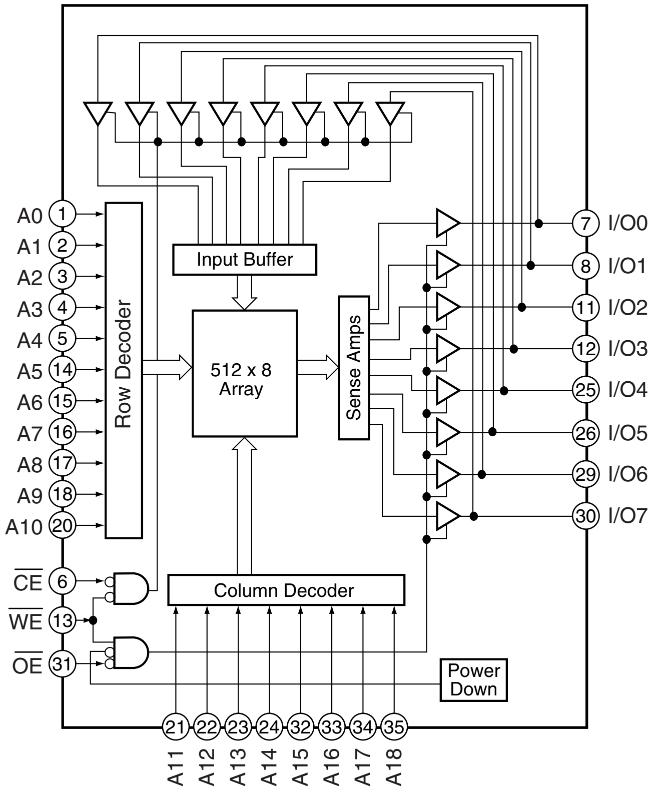
■ CY7C1049CV33-12VXC (DSP ASSY : IC106)

• 512k X 8 Static RAM

● Pin Arrangement (Top view)


A0 1
A1 2
A2 3
A3 4
A4 5
$\overline{CE}$ 6
I/O0 7
I/O1 8
VCC 9
GND 10
I/O2 11
I/O3 12
$\overline{WE}$ 13
A5 14
A6 15
A7 16
A8 17
A9 18
36 NC
35 A18
34 A17
33 A16
32 A15
31 $\overline{OE}$
30 I/O7
29 I/O6
28 GND
27 VCC
26 I/O5
25 I/O4
24 A14
23 A13
22 A12
21 A11
20 A10
19 NC

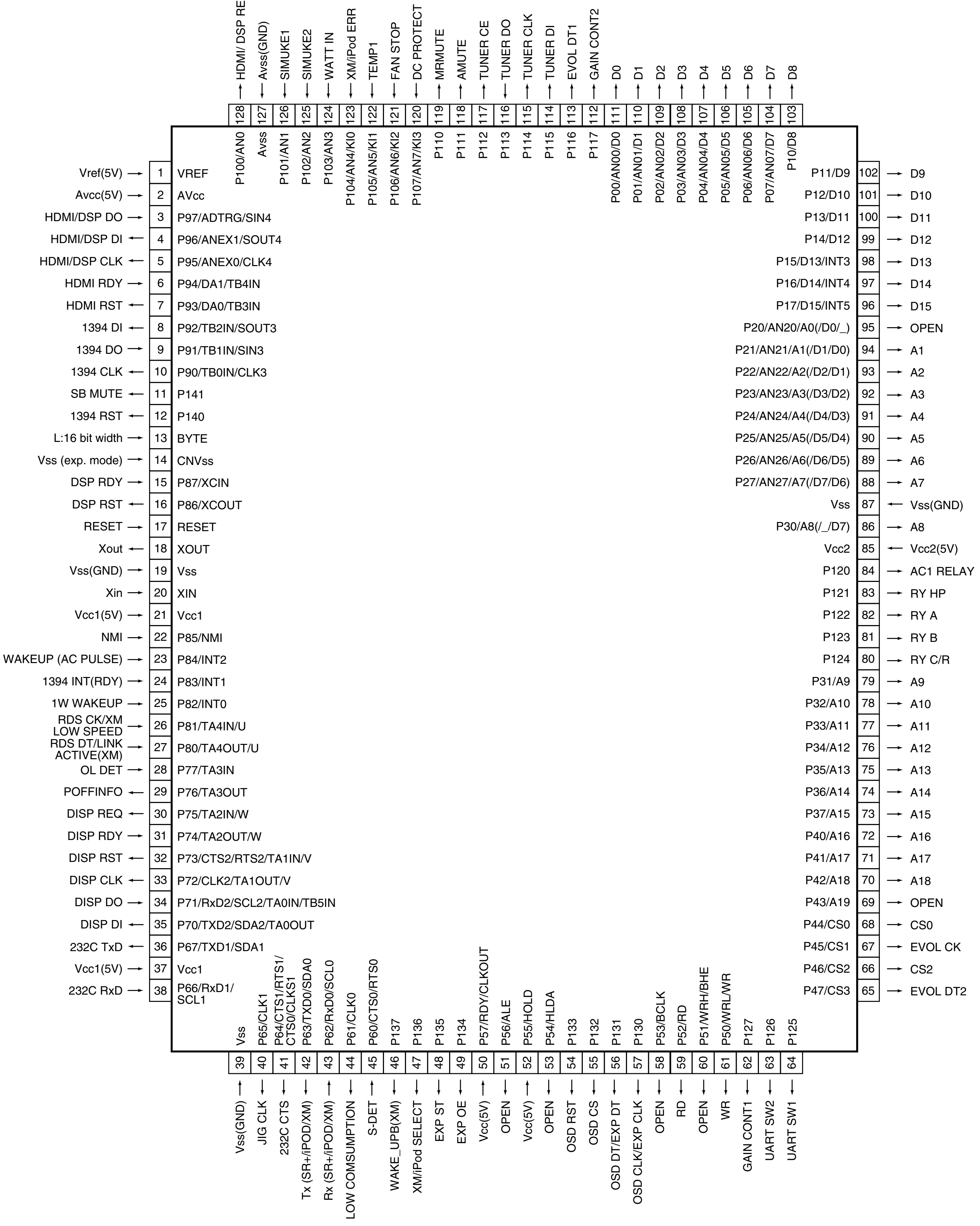
● Block Diagram


A0 1
A1 2
A2 3
A3 4
A4 5
A5 14
A6 15
A7 16
A8 17
A9 18
A10 20
$\overline{CE}$ 6
$\overline{WE}$ 13
$\overline{OE}$ 31
Row Decoder
Input Buffer
512 x 8 Array
Sense Amps
Column Decoder
Power Down
7 I/O0
8 I/O1
11 I/O2
12 I/O3
25 I/O4
26 I/O5
29 I/O6
30 I/O7
21 A11
22 A12
23 A13
24 A14
32 A15
33 A16
34 A17
35 A18

■ PEG116A (DIGITAL MOTHER ASSY : IC101)

- Main Microcomputer

● Pin Arrangement (Top view)


Vref(5V) 1 VREF
Avcc(5V) 2 AVcc
HDMI/DSP DO 3 P97/ADTRG/SIN4
HDMI/DSP DI 4 P96/ANEX1/SOUT4
HDMI/DSP CLK 5 P95/ANEX0/CLK4
HDMI RDY 6 P94/DA1/TB4IN
HDMI RST 7 P93/DA0/TB3IN
1394 DI 8 P92/TB2IN/SOUT3
1394 DO 9 P91/TB1IN/SIN3
1394 CLK 10 P90/TB0IN/CLK3
SB MUTE 11 P141
1394 RST 12 P140
L:16 bit width 13 BYTE
Vss (exp. mode) 14 CNVss
DSP RDY 15 P87/XCIN
DSP RST 16 P86/XCOUT
RESET 17 RESET
Xout 18 XOUT
Vss(GND) 19 Vss
Xin 20 XIN
Vcc1(5V) 21 Vcc1
NMI 22 P85/NMI
WAKEUP (AC PULSE) 23 P84/INT2
1394 INT(RDY) 24 P83/INT1
1W WAKEUP 25 P82/INT0
RDS CK/XM LOW SPEED 26 P81/TA4IN/U
RDS DT/LINK ACTIVE(XM) 27 P80/TA4OUT/U
OL DET 28 P77/TA3IN
POFFINFO 29 P76/TA3OUT
DISP REQ 30 P75/TA2IN/W
DISP RDY 31 P74/TA2OUT/W
DISP RST 32 P73/CTS2/RTS2/TA1IN/V
DISP CLK 33 P72/CLK2/TA1OUT/V
DISP DO 34 P71/RxD2/SCL2/TA0IN/TB5IN
DISP DI 35 P70/TXD2/SDA2/TA0OUT
232C TxD 36 P67/TXD1/SDA1
Vcc1(5V) 37 Vcc1
232C RxD 38 P66/RxD1/SCL1
39 Vss Vss(GND)
40 P65/CLK1 JIG CLK
41 P64/CTS1/RTS1/CTS0/CLKS1 232C CTS
42 P63/TXD0/SDA0 Tx (SR+/iPOD/XM)
43 P62/RxD0/SCL0 Rx (SR+/iPOD/XM)
44 P61/CLK0 LOW COMSUMPTION
45 P60/CTS0/RTS0 S-DET
46 P137 WAKE_UPB(XM)
47 P136 XM/iPod SELECT
48 P135 EXP ST
49 P134 EXP OE
50 P57/RDY/CLKOUT Vcc(5V)
51 P56/ALE OPEN
52 P55/HOLD Vcc(5V)
53 P54/HLDA OPEN
54 P133 OSD RST
55 P132 OSD CS
56 P131 OSD DT/EXP DT
57 P130 OSD CLK/EXP CLK
58 P53/BCLK OPEN
59 P52/RD RD
60 P51/WRH/BHE OPEN
61 P50/WRL/WR WR
62 P127 GAIN CONT1
63 P126 UART SW2
64 P125 UART SW1
65 P47/CS3 EVOL DT2
66 P46/CS2 CS2
67 P45/CS1 EVOL CK
68 P44/CS0 CS0
69 P43/A19 OPEN
70 P42/A18 A18
71 P41/A17 A17
72 P40/A16 A16
73 P37/A15 A15
74 P36/A14 A14
75 P35/A13 A13
76 P34/A12 A12
77 P33/A11 A11
78 P32/A10 A10
79 P31/A9 A9
80 P124 RY C/R
81 P123 RY B
82 P122 RY A
83 P121 RY HP
84 P120 AC1 RELAY
85 Vcc2 Vcc2(5V)
86 P30/A8(/_/D7) A8
87 Vss Vss(GND)
88 P27/AN27/A7(/D7/D6) A7
89 P26/AN26/A6(/D6/D5) A6
90 P25/AN25/A5(/D5/D4) A5
91 P24/AN24/A4(/D4/D3) A4
92 P23/AN23/A3(/D3/D2) A3
93 P22/AN22/A2(/D2/D1) A2
94 P21/AN21/A1(/D1/D0) A1
95 P20/AN20/A0(/D0/_) OPEN
96 P17/D15/INT5 D15
97 P16/D14/INT4 D14
98 P15/D13/INT3 D13
99 P14/D12 D12
100 P13/D11 D11
101 P12/D10 D10
102 P11/D9 D9
103 P10/D8 D8
104 P07/AN07/D7 D7
105 P06/AN06/D6 D6
106 P05/AN05/D5 D5
107 P04/AN04/D4 D4
108 P03/AN03/D3 D3
109 P02/AN02/D2 D2
110 P01/AN01/D1 D1
111 P00/AN00/D0 D0
112 P117 GAIN CONT2
113 P116 EVOL DT1
114 P115 TUNER DI
115 P114 TUNER CLK
116 P113 TUNER DO
117 P112 TUNER CE
118 P111 AMUTE
119 P110 MRMUTE
120 P107/AN7/KI3 DC PROTECT
121 P106/AN6/KI2 FAN STOP
122 P105/AN5/KI1 TEMP1
123 P104/AN4/KI0 XM/iPod ERR
124 P103/AN3 WATT IN
125 P102/AN2 SIMUKE2
126 P101/AN1 SIMUKE1
127 Avss Avss(GND)
128 P100/AN0 HDMI/ DSP REQ

Pin Function

No.	Mark	Pin Name	I/O	Pin Function
1	VREF	Vref(5V)	-	Reference voltage
2	AVcc	Avcc(5V)	-	Power supply (5V)
3	P97/ADTRG/SIN4	HDMI/DSP DO	I	Data input for HDMI/DSP microcomputer
4	P96/ANEX1/SOUT4	HDMI/DSP DI	O/L	Data output for HDMI/DSP microcomputer
5	P95/ANEX0/CLK4	HDMI/DSP CLK	O/L	Clock output for HDMI/DSP microcomputer
6	P94/DA1/TB4IN	HDMI RDY	I	Ready input for HDMI microcomputer
7	P93/DA0/TB3IN	HDMI RST	O/L	Reset output for HDMI microcomputer
8	P92/TB2IN/SOUT3	1394 DI	O/L	Communication with 1394 HOST controller
9	P91/TB1IN/SIN3	1394 DO	I	Communication with 1395 HOST controller
10	P90/TB0IN/CLK3	1394 CLK	O/L	Communication with 1396 HOST controller
11	P141	SB MUTE	O/L	Mute for SB ch (L:MUTE)
12	P140	1394 RST	O/L	Communication with 1396 HOST controller
13	BYTE	L:16 bit width		External flash bus width setting L= 16 bit, H= 8 bit.
14	CNVss	Vss(exp. mode)		Shift from single-chip mode to memory expanded mode.
15	P87/XCIN	DSP RDY	I	Communication with microcomputer Request input to the main
16	P86/XCOUT	DSP RST	O/L	Communication with DSP controller
17	RESET	RESET	I	Reset input from the main microcomputer
18	XOUT	Xout	O	Connect a ceramic resonator (15.7MHz).
19	Vss	Vss(GND)	-	Ground
20	XIN	Xin	I	Connect a ceramic resonator
21	Vcc1	Vcc1(5V)	-	Power supply(5V)
22	P85/NMI	NMI	I	-
23	P84/INT2	WAKEUP (AC PULSE)	(I)	AC pulse input
24	P83/INT1	1394 INT(RDY)	I	Communication with 1394 HOST controller
25	P82/INT0	1W WAKEUP	I	Communication with display microcomputer
26	P81/TA4IN/U	RDS CK/XM LOW SPEED	I	(RDS model) CLOCK IN/(XM) DATA IN
27	P80/TA4OUT/U	RDS DT/LINK ACTIVE(XM)	I	(RDS model) DATA IN/(XM) LINK signal
28	P77/TA3IN	OL DET	I	OVERLOAD detection (L: abnormality)
29	P76/TA3OUT	POFFINFO	O/L	Notice of power off to the DSP controller (Pull off an outlet)
30	P75/TA2IN/W	DISP REQ	O/L	Communication with display microcomputer
31	P74/TA2OUT/W	DISP RDY	I	Communication with display microcomputer
32	P73/CTS2/RTS2/TA1IN/V	DISP RST	O/H	Communication with display microcomputer
33	P72/CLK2/TA1OUT/V	DISP CLK	O/L	Communication with display microcomputer
34	P71/RxD2/SCL2/TA0IN/TB5IN	DISP DO	I	Communication with display microcomputer
35	P70/TXD2/SDA2/TA0OUT	DISP DI	O/L	Communication with display microcomputer
36	P67/TXD1/SDA1	232C TxD	O/L	RS-232C
37	Vcc1	Vcc1(5V)	-	Power supply (5V)
38	P66/RxD1/SCL1	232C RxD	I	RS-232C
39	Vss	Vss(GND)	-	Ground
40	P65/CLK1	JIG CLK		RS-232C
41	P64/CTS1/RTS1/CTS0/CLKS1	232C CTS	O/L	RS-232C
42	P63/TXD0/SDA0	Tx (SR+/iPOD/XM)	O/L	Communication with SR+/iPod/XM
43	P62/RxD0/SCL0	Rx (SR+/iPOD/XM)	I	Communication with SR+/iPod/XM
44	P61/CLK0	LOW COMSUMPTION	O/L	AMUTE power ON/OFF(ON: H)
45	P60/CTS0/RTS0	S-DET	I	S-VIDEO detection (H)
46	P137	WAKE_UPB(XM)	I	For XMDTcommunication
47	P136	XM/iPod SELECT	O/L	POD/XM path switch (iPod: L,XM: H)
48	P135	EXP ST	O/L	Communication with expansion IC
49	P134	EXP OE	O/L	Communication with expansion IC
50	P57/RDY/CLKOUT	Vcc(5V)	I	Vcc(5V)

No.	Mark	Pin Name	I/O	Pin Function
51	P56/ALE	OPEN	O/L	NC (Open at memory expanded mode)
52	P55/HOLD	Vcc(5V)	I	Vcc (5V)
53	P54/HLDA	OPEN	O/L	NC (Open at memory expanded mode)
54	P133	OSD RST	O/L	OSD communication
55	P132	OSD CS	O/L	OSD communication
56	P131	OSD DT/EXP DT	O/L	OSD communication & expansion IC communication
57	P130	OSD CLK/EXP CLK	O/L	OSD communication & expansion IC communication
58	P53/BCLK	OPEN	O/L	NC (Open at memory expanded mode)
59	P52/RD	RD	O/L	FLASH MEMORY I/F READ
60	P51/WRH/BHE	OPEN	O/L	FLASH MEMORY I/F WRITE
61	P50/WRL/WR	WR	O/L	FLASH MEMORY I/F WRITE
62	P127	GAIN CONT1	O/L	ANALOG GAIN CONTROL
63	P126	UART SW2	O/L	L: SR+ path, H: Select iPod or XM path
64	P125	UART SW1	O/L	L: DSP microcomputer path, H: Select HDMI microcomputer path
65	P47/CS3	EVOL DT2	O/L	Electronic VOL & function IC communication
66	P46/CS2	CS2	O/L	Electronic VOL & function IC communication
67	P45/CS1	EVOL CK	O/L	Electronic VOL & function IC communication
68	P44/CS0	CS0	O/L	FLASH MEMORY CE control
69	P43/A19	OPEN	O/L	Address output of FLASH MEMORY communication
70	P42/A18	A18	O/L	Address output of FLASH MEMORY communication
71	P41/A17	A17	O/L	Address output of FLASH MEMORY communication
72	P40/A16	A16	O/L	Address output of FLASH MEMORY communication
73	P37/A15	A15	O/L	Address output of FLASH MEMORY communication
74	P36/A14	A14	O/L	Address output of FLASH MEMORY communication
75	P35/A13	A13	O/L	Address output of FLASH MEMORY communication
76	P34/A12	A12	O/L	Address output of FLASH MEMORY communication
77	P33/A11	A11	O/L	Address output of FLASH MEMORY communication
78	P32/A10	A10	O/L	Address output of FLASH MEMORY communication
79	P31/A9	A9	O/L	Address output of FLASH MEMORY communication
80	P124	RY C/R	O/L	Center and surround SP relay (ON: H)
81	P123	RY B	O/L	SP-B relay (ON: H)
82	P122	RY A	O/L	SP-A relay (ON: H)
83	P121	RY HP	O/L	HP relay (ON: H)
84	P120	AC1 RELAY	O/L	AC relay (ON: H)
85	Vcc2	Vcc2(5V)	–	Power supply (5V)
86	P30/A8(/_/D7)	A8	O/L	Address output of FLASH MEMORY communication
87	Vss	Vss(GND)	–	Ground
88	P27/AN27/A7(/D7/D6)	A7	O/L	Address output of FLASH MEMORY communication
89	P26/AN26/A6(/D6/D5)	A6	O/L	Address output of FLASH MEMORY communication
90	P25/AN25/A5(/D5/D4)	A5	O/L	Address output of FLASH MEMORY communication
91	P24/AN24/A4(/D4/D3)	A4	O/L	Address output of FLASH MEMORY communication
92	P23/AN23/A3(/D3/D2)	A3	O/L	Address output of FLASH MEMORY communication
93	P22/AN22/A2(/D2/D1)	A2	O/L	Address output of FLASH MEMORY communication
94	P21/AN21/A1(/D1/D0)	A1	O/L	Address output of FLASH MEMORY communication
95	P20/AN20/A0(/D0/_)	OPEN	O/L	Address output of FLASH MEMORY communication
96	P17/D15/INT5	D15	O/L	Data input/output of FLASH MEMORY communication
97	P16/D14/INT4	D14	O/L	Data input/output of FLASH MEMORY communication
98	P15/D13/INT3	D13	O/L	Data input/output of FLASH MEMORY communication
99	P14/D12	D12	O/L	Data input/output of FLASH MEMORY communication
100	P13/D11	D11	O/L	Data input/output of FLASH MEMORY communication

No.	Mark	Pin Name	I/O	Pin Function
101	P12/D10	D10	O/L	Data input/output of FLASH MEMORY communication
102	P11/D9	D9	O/L	Data input/output of FLASH MEMORY communication
103	P10/D8	D8	O/L	Data input/output of FLASH MEMORY communication
104	P07/AN07/D7	D7	O/L	Data input/output of FLASH MEMORY communication
105	P06/AN06/D6	D6	O/L	Data input/output of FLASH MEMORY communication
106	P05/AN05/D5	D5	O/L	Data input/output of FLASH MEMORY communication
107	P04/AN04/D4	D4	O/L	Data input/output of FLASH MEMORY communication
108	P03/AN03/D3	D3	O/L	Data input/output of FLASH MEMORY communication
109	P02/AN02/D2	D2	O/L	Data input/output of FLASH MEMORY communication
110	P01/AN01/D1	D1	O/L	Data input/output of FLASH MEMORY communication
111	P00/AN00/D0	D0	O/L	Data input/output of FLASH MEMORY communication
112	P117	GAIN CONT2	O/L	ANALOG GAIN CONTROL
113	P116	EVOL DT1	O/L	Electronic VOL & function IC communication
114	P115	TUNER DI	O/L	TUNER module communication
115	P114	TUNER CLK	O/L	TUNER module communication
116	P113	TUNER DO	I	TUNER module communication
117	P112	TUNER CE	O/L	TUNER module communication
118	P111	AMUTE	O/L	AMUTE (L: MUTE, H: MUTE OFF)
119	P110	MRMUTE	O/L	MR MUTE (L: MUTE, H: MUTE OFF)
120	P107/AN7/KI3	DC PROTECT	I	DC abnormality detection (L detection)
121	P106/AN6/KI2	FAN STOP	I	FAN STOP detection (L at FAN turn: abnormal)
122	P105/AN5/KI1	TEMP1	I	Temperature detection (H: high temperature)
123	P104/AN4/KI0	XM/iPod ERR	I	(A/D) 0-2.0V: Normal, 2.0-3.5V: XM abnormality, 3.5-5.0V: iPod abnormality
124	P103/AN3	WATT IN	I	(A/D) Voltage detection for limitter control
125	P102/AN2	SIMUKE2	I	(A/D) Destination distinction
126	P101/AN1	SIMUKE1	I	(A/D) Destination distinction
127	Avss	Avss(GND)	–	Ground
128	P100/AN0	HDMI/ DSP REQ	O/L	REQ output for HDMI/DSP microcomputer

■ CD4094BPW (DIGITAL MOTHER ASSY: IC103)

- Expansion 2 IC

● Pin Function

No.	Pin Name	Pin Function	Active
1	232SW	Switch the RS232C path. L: MAIN controller, H: DSP controller	H
2	MRSP2	When SBch outputs MR&S: H (Movement the same as MRSP)	H
3	FAN DRIVE	When FAN turns: H	H
4	INPUT ATT	H at ATT ON	H
5	12VON/OFF	Set to H when rewriting MAIN and DSP controllers.	H
6	XMPOW	XM antenna power supply. Always H. Set to L when detecting the abnormal.	H
7	iPodPOW	iPod supply power supply. Always H. Set to L when detecting the abnormal.	H
8	RDS FM+/XM RESET	Power supply ON/OFF of RDS decoder. H at ON. XM RESET. H at RESET. Notes: RESET of XMDTIC is L, but output with the reverse logic so that inverting circuit exists.	H/H

■ CD4094BNS (COMPONENT & VOL ASSY: IC2640)

- Expansion 1 IC

● Pin Function

No.	Pin Name	Pin Function	Active
1	NECK6	Outputs for limitter control	H
2	NECK8	Outputs for limitter control	H
3	BIAMP	At BIAMP: H	H
4	MRSP	When SBch is MR&S output: H	H
5	12TRG1	12V trigger 1 output	H
6	12TRG2	12V trigger 2 output	H
7	CDMIX	Cch setting: None LISTENING MODE : PURE DIRECT Playback stream: DVD-AUDIO (fs 44.1, 48, 88.2, 96kHz ch MULTI) or DSD (MULTI) or PCM (fs 44.1, 48, 88.2, 96kHz ch MULTI) • Do not turn on in 2 ch source. • When a device name of "PCM MULTI" is 1394 PC with i.LINK, converted DVD-AUDIO information into PCM from a DSP microcomputer. Cch setting: None Function: MULTI CH IN Turn the CENTER DOWN MIX off except the above-mentioned state.	H
8	DSPIN	At DSP root: H At analog direct root: L Condition 1: At Multi-ch-In selection Condition 2: At analog input with PURE DIRECT mode	H

■ CD4094BNS (COMPONENT & VOL ASSY: IC2407)

- Expansion IC

● Pin Function

No.	Pin Name	Pin Function	Active
1	CSW1	Component Func. SW	H
2	CSW2	Component Func. SW	H
3	CINH	IC2401,2402,2403 inhibit	H
4	XMSB	MR(ROOM2) / Selector of XM	H
5	C53B	Thr./VC Select	H
6	DSW1	D Func. SW	H
7	D53A	Thr.(D)/Component Select	H
8	DINH	IC1001,1002,1003,1004 inhibit	H

■ CD4094BPW (S VIDEO ASSY: IC2281)

- Expansion IC

● Pin Function

No.	Pin Name	Pin Function	Active
1	SSW1	S-Video Main Function	H
2	SSW2	S-Video Main Function	H
3	SSW3	S-Video Main Function	H
4	S52A	S-Video Through / VC / OSD / Mute select	H
5	S52B	S-Video Through / VC / OSD / Mute select	H
6	Vacant		H
7	Vacant		H
8	SINH	IC2201,2202 inhibit	H

■ CD4094BPW (S VIDEO ASSY: IC2282)

- Expansion IC

● Pin Function

No.	Pin Name	Pin Function	Active
1	SMRA	S-Video Room2 Function	H
2	SMRB	S-Video Room2 Function	H
3	SMRC	S-Video Room2 Function	H
4	SRC1	S-Video Recout Select	H
5	SRC2	S-Video Recout Select	H
6	Vacant		H
7	Vacant		H
8	Vacant		H

■ CD4094BNS (COMPOSITE V ASSY: IC2008)

- Expansion IC

● Pin Function

No.	Pin Name	Pin Function	Active
1	VSW1	CVBS Main Function	H
2	VSW2	CVBS Main Function	H
3	VSW3	CVBS Main Function	H
4	MRA	CVBS Room2 Function	H
5	MRB	CVBS Room2 Function	H
6	MRC	CVBS Room2 Function	H
7	V52A	CVBS Room2 CVBS/OSD select	H
8	V52B	CVBS Room2 CVBS/OSD select	H

■ CD4094BNS (COMPOSITE V ASSY: IC2009)

- Expansion IC

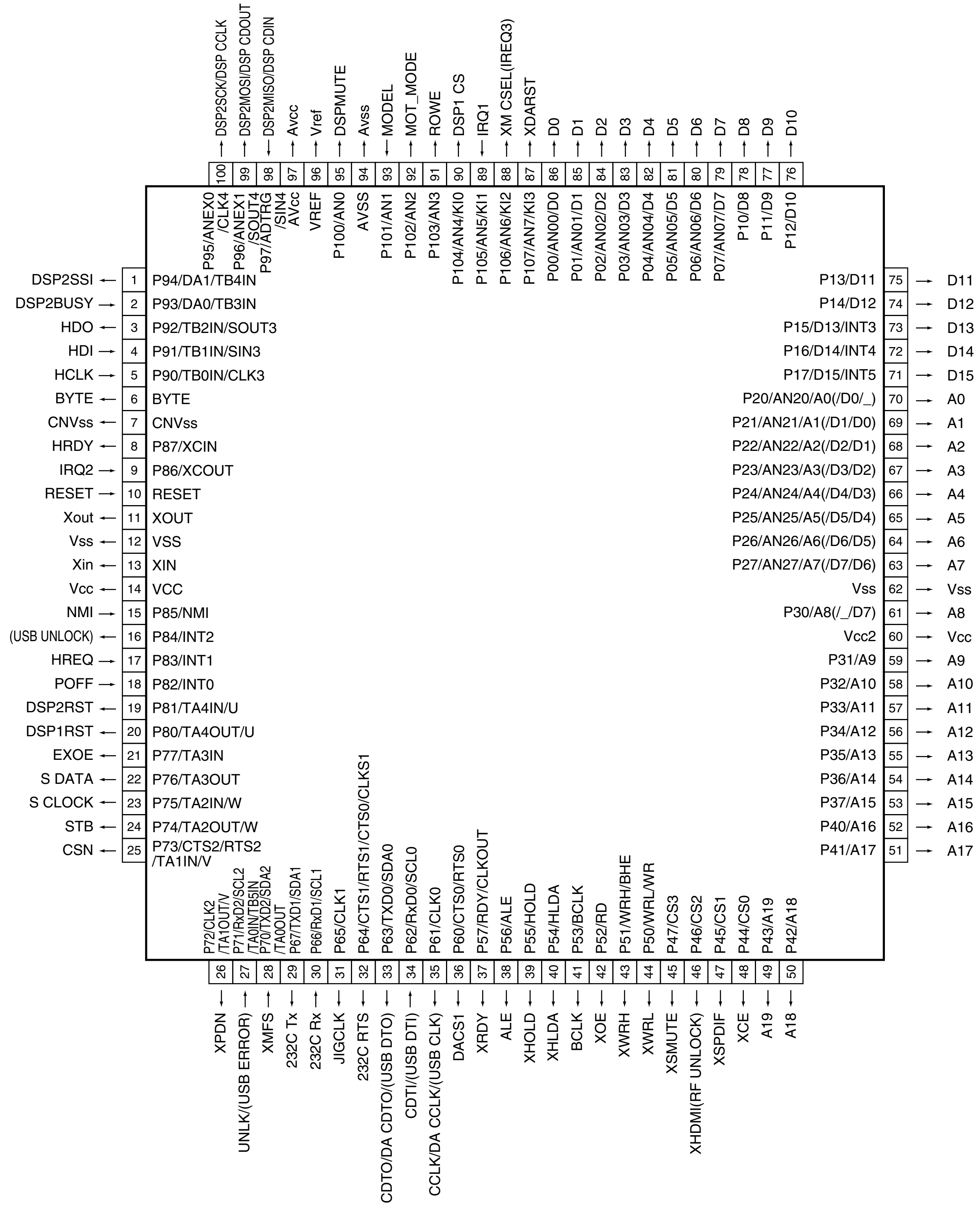
● Pin Function

No.	Pin Name	Pin Function	Active
1	V1M	CVBS Recout Selector	H
2	V2M	CVBS Recout Selector	H
3	VINH	IC2001 inhibit	H
4	MUTE	Video Mute	H
5	MRINH	IC2002,2205,2206 inhibit	H
6	SWA	CVBS Main Through/OSD/VC/Mute select	H
7	SWB	CVBS Main Through/OSD/VC/Mute select	H
8	SWC	CVBS Main Through/OSD/VC/Mute select	H

■ PEG117A (DIGITAL MOTHER ASSY : IC201)

- DSP Microcomputer

● Pin Arrangement (Top view)



DSP2SCK/DSP CCLK
DSP2MOSI/DSP CDOUT
DSP2MISO/DSP CDIN
Avcc
Vref
DSPMUTE
Avss
MODEL
MOT_MODE
ROWE
DSP1 CS
IRQ1
XM CSEL(IREQ3)
XDARST
D0
D1
D2
D3
D4
D5
D6
D7
D8
D9
D10
100
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81
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P95/ANEX0/CLK4
P96/ANEX1/SOUT4
P97/ADTRG/SIN4
AVcc
VREF
P100/AN0
AVSS
P101/AN1
P102/AN2
P103/AN3
P104/AN4/KI0
P105/AN5/KI1
P106/AN6/KI2
P107/AN7/KI3
P00/AN00/D0
P01/AN01/D1
P02/AN02/D2
P03/AN03/D3
P04/AN04/D4
P05/AN05/D5
P06/AN06/D6
P07/AN07/D7
P10/D8
P11/D9
P12/D10
DSP2SSI 1 P94/DA1/TB4IN
DSP2BUSY 2 P93/DA0/TB3IN
HDO 3 P92/TB2IN/SOUT3
HDI 4 P91/TB1IN/SIN3
HCLK 5 P90/TB0IN/CLK3
BYTE 6 BYTE
CNVss 7 CNVss
HRDY 8 P87/XCIN
IRQ2 9 P86/XCOUT
RESET 10 RESET
Xout 11 XOUT
Vss 12 VSS
Xin 13 XIN
Vcc 14 VCC
NMI 15 P85/NMI
(USB UNLOCK) 16 P84/INT2
HREQ 17 P83/INT1
POFF 18 P82/INT0
DSP2RST 19 P81/TA4IN/U
DSP1RST 20 P80/TA4OUT/U
EXOE 21 P77/TA3IN
S DATA 22 P76/TA3OUT
S CLOCK 23 P75/TA2IN/W
STB 24 P74/TA2OUT/W
CSN 25 P73/CTS2/RTS2/TA1IN/V
P13/D11 75 D11
P14/D12 74 D12
P15/D13/INT3 73 D13
P16/D14/INT4 72 D14
P17/D15/INT5 71 D15
P20/AN20/A0(/D0/_) 70 A0
P21/AN21/A1(/D1/D0) 69 A1
P22/AN22/A2(/D2/D1) 68 A2
P23/AN23/A3(/D3/D2) 67 A3
P24/AN24/A4(/D4/D3) 66 A4
P25/AN25/A5(/D5/D4) 65 A5
P26/AN26/A6(/D6/D5) 64 A6
P27/AN27/A7(/D7/D6) 63 A7
Vss 62 Vss
P30/A8(/_/D7) 61 A8
Vcc2 60 Vcc
P31/A9 59 A9
P32/A10 58 A10
P33/A11 57 A11
P34/A12 56 A12
P35/A13 55 A13
P36/A14 54 A14
P37/A15 53 A15
P40/A16 52 A16
P41/A17 51 A17
P72/CLK2/TA1OUT/V
P71/RxD2/SCL2/TA0IN/TB5IN
P70/TXD2/SDA2/TA0OUT
P67/TXD1/SDA1
P66/RxD1/SCL1
P65/CLK1
P64/CTS1/RTS1/CTS0/CLKS1
P63/TXD0/SDA0
P62/RxD0/SCL0
P61/CLK0
P60/CTS0/RTS0
P57/RDY/CLKOUT
P56/ALE
P55/HOLD
P54/HLDA
P53/BCLK
P52/RD
P51/WRH/BHE
P50/WRL/WR
P47/CS3
P46/CS2
P45/CS1
P44/CS0
P43/A19
P42/A18
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XPDN
UNLK/(USB ERROR)
XMFS
232C Tx
232C Rx
JIGCLK
232C RTS
CDTO/DA CDTO/(USB DTO)
CDTI/(USB DTI)
CCLK/DA CCLK/(USB CLK)
DACS1
XRDY
ALE
XHOLD
XHLDA
BCLK
XOE
XWRH
XWRL
XSMUTE
XHDMI(RF UNLOCK)
XSPDIF
XCE
A19
A18

● Pin Function

No.	Mark	Pin Name	I/O	Pin Function
1	P94/DA1/TB4IN	DSP2SSI	I	Motorola DSP communication strobe
2	P93/DA0/TB3IN	DSP2BUSY	I	Motorola DSP busy input (at MCACC function)
3	P92/TB2IN/SOUT3	HDO	I	Data output of microcomputer communication to the main microcomputer
4	P91/TB1IN/SIN3	HDI	I	Data input of microcomputer communication from the main microcomputer
5	P90/TB0IN/CLK3	HCLK	I	Clock input of microcomputer communication from the main microcomputer
6	BYTE	BYTE	O	16 bit setting of the external FLASH bus-width
7	CNVss	CNVss	–	Shift from single-chip mode to memory expanded mode.
8	P87/XCIN	HRDY	I	Request output of microcomputer communication to the main microcomputer
9	P86/XCOUT	IRQ2	I	Motorola DSP busy input (at decoder function)
10	RESET	RESET	I	RESET input from the main microcomputer
11	XOUT	Xout	O	Connect a ceramic resonator (15.4MHz)
12	VSS	Vss	–	Ground
13	XIN	Xin	I	Connect a ceramic resonator
14	VCC	Vcc	–	Power supply
15	P85/NMI	NMI	I	
16	P84/INT2	(USB UNLOCK)	I	(USB communication request: Plan)
17	P83/INT1	HREQ	I	Request input of microcomputer communication from the main microcomputer
18	P82/INT0	POFF	I	Power OFF signal
19	P81/TA4IN/U	DSP2RST	I	Motorola DSP reset
20	P80/TA4OUT/U	DSP1RST	I	1st DSP reset
21	P77/TA3IN	EXOE	I	OE output of the expansion IC
22	P76/TA3OUT	S DATA	I	Data output of the expansion IC
23	P75/TA2IN/W	S CLOCK	I	Clock output of the expansion IC
24	P74/TA2OUT/W	STB	I	Strobe output of the expansion IC
25	P73/CTS2/RTS2/TA1IN/V	CSN	I	Control CS output of DIR IC
26	P72/CLK2/TA1OUT/V	XPDN	I	DIR reset
27	P71/RxD2/SCL2/TA0IN/TB5IN	UNLK/(USB ERROR)	I	UNLOCK signal input/(USB error information input)
28	P70/TXD2/SDA2/TA0OUT	XMFS	I	XM FS information
29	P67/TXD1/SDA1	232C Tx	I	RS232C communication TxD(rewriting / control)
30	P66/RxD1/SCL1	232C Rx	I	RS232C communication RxD(rewriting / control)
31	P65/CLK1	JIGCLK	I	Rewriting
32	P64/CTS1/RTS1/CTS0/CLKS1	232C RTS	I	RS232C communication RTS(rewriting / control)
33	P63/TXD0/SDA0	CDTO/DA CDTO/(USB DTO)	I	DIR/DA/(USB) serial comminication data output
34	P62/RxD0/SCL0	CDTI/(USB DTI)	I	DIR/(USB) serial comminication data input
35	P61/CLK0	CCLK/DA CCLK/(USB CLK)	I	DIR/DA/(USB) serial comminication clock output
36	P60/CTS0/RTS0	DACS1	I	Control CS output of DAC IC for F/R
37	P57/RDY/CLKOUT	XRDY	I	Vcc (3.3V)
38	P56/ALE	ALE	O	NC (open at memory expanded mode)
39	P55/HOLD	XHOLD	I	Vcc (3.3V)
40	P54/HLDA	XHLDA	O	NC (open at memory expanded mode)
41	P53/BCLK	BCLK	O	NC (open at memory expanded mode)
42	P52/RD	XOE	O	FLASH MEMORY I/F READ
43	P51/WRH/BHE	XWRH	O	FLASH MEMORY I/F WRITE
44	P50/WRL/WR	XWRL	O	FLASH MEMORY I/F WRITE
45	P47/CS3	XSMUTE	I	For last stage mute control
46	P46/CS2	XHDMI(RF UNLOCK)	I	For mute control of HDMI input (for RF UNLOCK detection)
47	P45/CS1	XSPDIF	I	For mute control of DIR input
48	P44/CS0	XCE	O	FLASH MEMORY CE control
49	P43/A19	A19	O	Address output of FLASH MEMORY communication
50	P42/A18	A18	O	Address output of FLASH MEMORY communication

No.	Mark	Pin Name	I/O	Pin Function
51	P41/A17	A17	O	Address output of FLASH MEMORY communication
52	P40/A16	A16	O	Address output of FLASH MEMORY communication
53	P37/A15	A15	O	Address output of FLASH MEMORY communication
54	P36/A14	A14	O	Address output of FLASH MEMORY communication
55	P35/A13	A13	O	Address output of FLASH MEMORY communication
56	P34/A12	A12	O	Address output of FLASH MEMORY communication
57	P33/A11	A11	O	Address output of FLASH MEMORY communication
58	P32/A10	A10	O	Address output of FLASH MEMORY communication
59	P31/A9	A9	O	Address output of FLASH MEMORY communication
60	Vcc2	Vcc	–	Power supply
61	P30/A8(/_/D7)	A8	O	Address output of FLASH MEMORY communication
62	Vss	Vss	–	Ground
63	P27/AN27/A7(/D7/D6)	A7	O	Address output of FLASH MEMORY communication
64	P26/AN26/A6(/D6/D5)	A6	O	Address output of FLASH MEMORY communication
65	P25/AN25/A5(/D5/D4)	A5	O	Address output of FLASH MEMORY communication
66	P24/AN24/A4(/D4/D3)	A4	O	Address output of FLASH MEMORY communication
67	P23/AN23/A3(/D3/D2)	A3	O	Address output of FLASH MEMORY communication
68	P22/AN22/A2(/D2/D1)	A2	O	Address output of FLASH MEMORY communication
69	P21/AN21/A1(/D1/D0)	A1	O	Address output of FLASH MEMORY communication
70	P20/AN20/A0(/D0/_)	A0	I	Do not connect at 16bit data access
71	P17/D15/INT5	D15	I	Data input/output of FLASH MEMORY communication
72	P16/D14/INT4	D14	I	Data input/output of FLASH MEMORY communication
73	P15/D13/INT3	D13	I	Data input/output of FLASH MEMORY communication
74	P14/D12	D12	I	Data input/output of FLASH MEMORY communication
75	P13/D11	D11	I	Data input/output of FLASH MEMORY communication
76	P12/D10	D10	I	Data input/output of FLASH MEMORY communication
77	P11/D9	D9	I	Data input/output of FLASH MEMORY communication
78	P10/D8	D8	I	Data input/output of FLASH MEMORY communication
79	P07/AN07/D7	D7	I	Data input/output of FLASH MEMORY communication
80	P06/AN06/D6	D6	I	Data input/output of FLASH MEMORY communication
81	P05/AN05/D5	D5	I	Data input/output of FLASH MEMORY communication
82	P04/AN04/D4	D4	I	Data input/output of FLASH MEMORY communication
83	P03/AN03/D3	D3	I	Data input/output of FLASH MEMORY communication
84	P02/AN02/D2	D2	I	Data input/output of FLASH MEMORY communication
85	P01/AN01/D1	D1	I	Data input/output of FLASH MEMORY communication
86	P00/AN00/D0	D0	I	Data input/output of FLASH MEMORY communication
87	P107/AN7/KI3	XDARST	I	DAC reset
88	P106/AN6/KI2	XM CSEL(IREQ3)	I	XM information (Control with the main microcomputer information)(3rd DSP FLAG0 input)
89	P105/AN5/KI1	IRQ1	I	1st DSP FLAG0 input
90	P104/AN4/KI0	DSP1 CS	I	1st DSP chip select
91	P103/AN3	ROWE	I	For DSP rewriting control
92	P102/AN2	MOT_MODE	I	For the Motorola operating state control
93	P101/AN1	MODEL	I	For model distinction (A/D input use)
94	AVSS	Avss	–	Ground
95	P100/AN0	DSPMUTE	I	DSP MUTE control output
96	VREF	Vref	–	Reference voltage
97	AVcc	Avcc	–	Power supply
98	P97/ADTRG/SIN4	DSP2MISO/DSP CDIN	I	DSP communication data input of Motorola/SHARC
99	P96/ANEX1/SOUT4	DSP2MOSI/DSP CDOUT	I	DSP communication data output of Motorola/SHARC
100	P95/ANEX0/CLK4	DSP2SCK/DSP CCLK	I	DSP communication clock output of Motorola/SHARC

■ CD4094BPW (DIGITAL MOTHER ASSY: IC203)

• Expansion 1 IC

● Pin Function

No.	Pin Name	Pin Function	Active
4	XPDNAD	AD IC reset H: Release the A/D reset, L: A/D reset	L
5	ADOSR	AD Over sampling setting Over-sampling at analog L: 88.2/96kHz, H: Others	H
6	DDIRECT	Digital Direct setting	H
7	XLSSN	LSSN setting H: When add a SW signal to the front in analog stage, L: Don't add	H
11	XTL0	DIR XTL0 control	H
12	DACS2	DA chip select (for C,SW,S,SB ch)	L
13	MPCM	Multi PCM input selection	H
14	XM	XM input selection	H

■ CD4094BPW (DIGITAL MOTHER ASSY: IC211)

• Expansion 2 IC

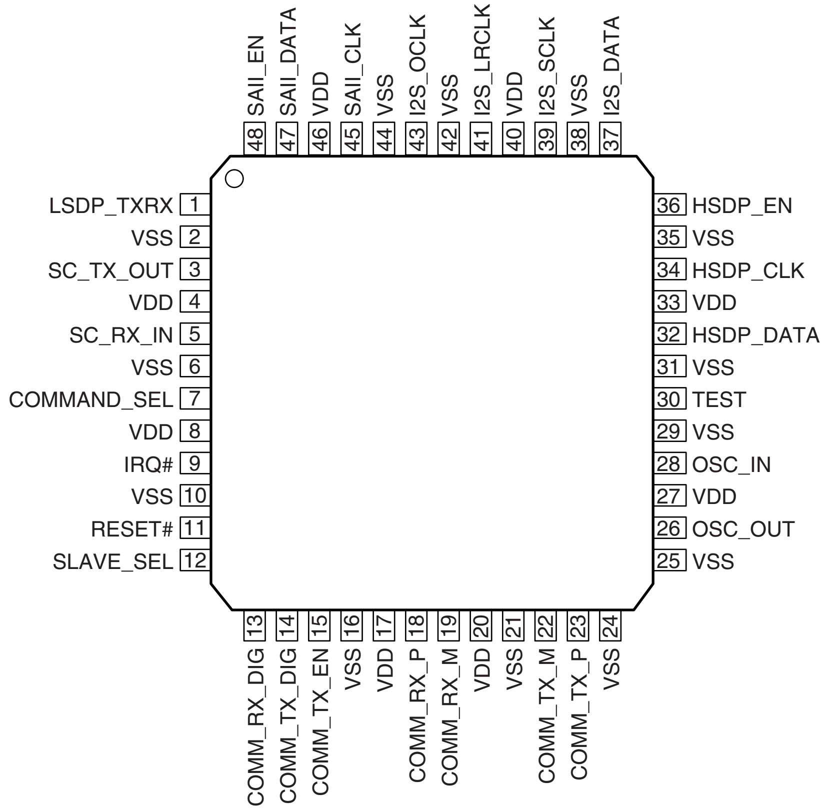
● Pin Function

No.	Pin Name	Pin Function	Active
4	DS_2_32	32 bit transmission setting (Not used, "L" fixing)	H
5	MRXM	XM input setting to DA	H
6	DACS3	DA chip select (For +2 ch)	L
7	USB(RST3)	USB select (3rd DSP reset: plan)	H
11	DAX(SP3)	DSP3 CS output	H
12	DSD DIRECT	DSD Direct setting	H
13	XON	DSP X'tal ON/OFF control Crystal clock control of DSP H: 06 High model, L: 05 middle model	H
14	XIEEE	1394 input select	L

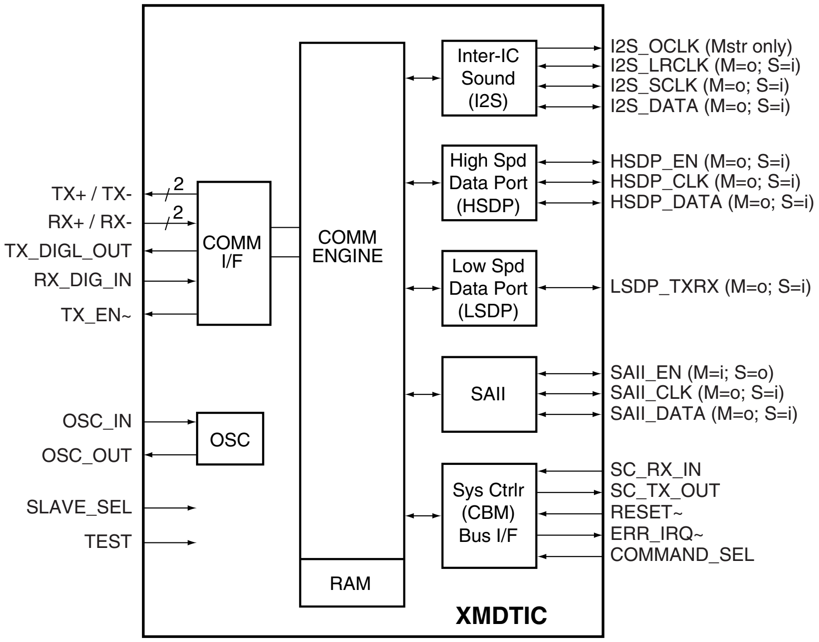
F2602E-01 (DIGITAL MOTHER ASSY : IC281)

- XM/DT IC

Pin Arrangement (Top view)


48 SAII_EN
47 SAII_DATA
46 VDD
45 SAII_CLK
44 VSS
43 I2S_OCLK
42 VSS
41 I2S_LRCLK
40 VDD
39 I2S_SCLK
38 VSS
37 I2S_DATA
LSDP_TXRX 1
VSS 2
SC_TX_OUT 3
VDD 4
SC_RX_IN 5
VSS 6
COMMAND_SEL 7
VDD 8
IRQ# 9
VSS 10
RESET# 11
SLAVE_SEL 12
36 HSDP_EN
35 VSS
34 HSDP_CLK
33 VDD
32 HSDP_DATA
31 VSS
30 TEST
29 VSS
28 OSC_IN
27 VDD
26 OSC_OUT
25 VSS
13 COMM_RX_DIG
14 COMM_TX_DIG
15 COMM_TX_EN
16 VSS
17 VDD
18 COMM_RX_P
19 COMM_RX_M
20 VDD
21 VSS
22 COMM_TX_M
23 COMM_TX_P
24 VSS

Block Diagram


TX+ / TX-
2
RX+ / RX-
2
TX_DIGL_OUT
RX_DIG_IN
TX_EN~
COMM I/F
OSC_IN
OSC_OUT
OSC
SLAVE_SEL
TEST
COMM ENGINE
RAM
Inter-IC Sound (I2S)
I2S_OCLK (Mstr only)
I2S_LRCLK (M=o; S=i)
I2S_SCLK (M=o; S=i)
I2S_DATA (M=o; S=i)
High Spd Data Port (HSDP)
HSDP_EN (M=o; S=i)
HSDP_CLK (M=o; S=i)
HSDP_DATA (M=o; S=i)
Low Spd Data Port (LSDP)
LSDP_TXRX (M=o; S=i)
SAII
SAII_EN (M=i; S=o)
SAII_CLK (M=o; S=i)
SAII_DATA (M=o; S=i)
Sys Ctrlr (CBM) Bus I/F
SC_RX_IN
SC_TX_OUT
RESET~
ERR_IRQ~
COMMAND_SEL
XMDTIC

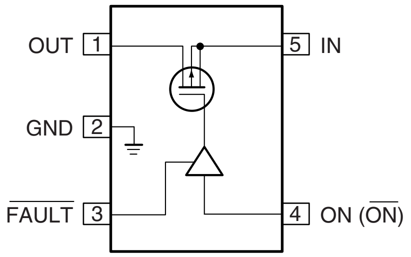
Pin Function

No.	Pin Name	I/O	Function in Slave Mode	Function in MasterMode
1	LSDP_TXRX	S=I, M=O	Low speed data port output	Low speed data port input
2	VSS	–	Digital ground	Digital ground
3	SC_TX_OUT	S=O, M=O	System controller bus (CBM) transmit data out	System controller bus (CBM) transmit data out
4	VDD	–	+3.3V supply voltage	+3.3V supply voltage
5	SC_RX_IN	S=I, M=I	System controller bus (CBM) receive data in	System controller bus (CBM) receive data in
6	VSS	–	Digital ground	Digital ground
7	COMMAND_SEL	S=I, M=I	Command mode select in (1= Command mode, 0= Normal mode)	Command mode select in (1= Command mode, 0= Normal mode)
8	VDD	–	+3.3V supply voltage	+3.3V supply voltage
9	IRQ#	S=O, M=O	Interrupt request out (Active Low)	Interrupt request out (Active Low)
10	VSS	–	Digital ground	Digital ground
11	RESET#	S=I, M=I	Asynchronous reset in (Active Low)	Asynchronous reset in (Active Low)
12	SLAVE_SEL	S=I, M=I	M/S mode select in (High= Slave mode)	M/S mode select in (Low= Master mode)
13	COMM_RX_DIG	S=I, M=I	DT comm bus external transceiver receive data in	DT comm bus external transceiver receive data in
14	COMM_TX_DIG	O	DT comm bus external transceiver transmit data out	DT comm bus external transceiver transmit data out
15	COMM_TX_EN	O	DT comm bus external transceiver direction out (1= Transmit, 0= Receive)	DT comm bus external transceiver direction out (1= Transmit, 0= Receive)
16	VSS	–	Digital ground	Digital ground
17	VDD	–	+3.3V supply voltage	+3.3V supply voltage
18	COMM_RX_P	S=I, M=I	DT comm bus internal receiver differential positive in	DT comm bus internal receiver differential positive in
19	COMM_RX_M	S=I, M=I	DT comm bus internal receiver differential negative in	DT comm bus internal receiver differential negative in
20	VDD	–	+3.3V supply voltage	+3.3V supply voltage
21	VSS	–	Digital ground	Digital ground
22	COMM_TX_M	O	DT comm bus internal transmitter differential negative out	DT comm bus internal transmitter differential negative out
23	COMM_TX_P	O	DT comm bus internal transmitter differential positive out	DT comm bus internal transmitter differential positive out
24	VSS	–	Digital ground	Digital ground
25	VSS	–	Digital ground	Digital ground
26	OSC_OUT	O	Crystal output	Crystal output
27	VDD	–	+3.3V supply voltage	+3.3V supply voltage
28	OSC_IN	S=I, M=I	Crystal input	Crystal input
29	VSS	–	Digital ground	Digital ground
30	TEST	S=I, M=I	Factory test mode select (1= Test, 0= Normal oper.)	Factory test mode select (1= Test, 0= Normal oper.)
31	VSS	–	Digital ground	Digital ground
32	HSDP_DATA	S=I, M=O	High speed data port data input	High speed data port data output
33	VDD	–	+3.3V supply voltage	+3.3V supply voltage
34	HSDP_CLK	S=I, M=O	High speed data port clock input	High speed data port clock output
35	VSS	–	Digital ground	Digital ground
36	HSDP_EN	S=O, M=I	High speed data port enable output	High speed data port enable input
37	I2S_DATA	S=I, M=O	I2S digital port data in	I2S digital audio port data out
38	VSS	–	Digital ground	Digital ground
39	I2S_SCLK	S=I, M=O	I2S digital audio port bit clock in	I2S digital audio port bit clock out
40	VDD	–	+3.3V supply voltage	+3.3V supply voltage
41	I2S_LRCLK	S=I, M=O	I2S digital audio port L/R clock in	I2S digital audio port L/R clock out
42	VSS	–	Digital ground	Digital ground
43	I2S_OCLK	S=I, M=O	I2S digital audio port oversample clock (Not used.)	I2S digital audio port oversample clock out
44	VSS	–	Digital ground	Digital ground
45	SAII_CLK	S=O, M=I	SAII port clock output	SAII port clock input
46	VDD	–	+3.3V supply voltage	+3.3V supply voltage
47	SAII_DATA	S=O, M=I	SAII port data output	SAII port data input
48	SAII_REQ	S=I, M=O	SAII port request input	SAII port request output

AAT4618IGV-0.5-1 (DIGITAL MOTHER ASSY : IC282)

- Load Switching

Pin Arrangement (Top view)


OUT 1
GND 2
$\overline{\text{FAULT}}$ 3
5 IN
4 ON ($\overline{\text{ON}}$)

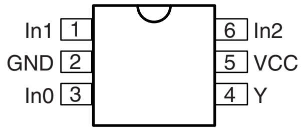
Pin Function

No.	Pin Name	I/O	Pin Function
1	OUT	O	P-channel MOS FET drain
2	GND	–	Ground
3	$\overline{\text{FAULT}}$	O	Open-drain $\overline{\text{FAULT}}$ output
4	ON ($\overline{\text{ON}}$)	I	Enable input: 4618 active low, 4618- active high
5	IN	I	P-channel MOS FET source

SN74LVC1G97DCK (DIGITAL MOTHER ASSY : IC304, IC305, IC318)

- Configurable Multiple-function Gate

Pin Arrangement (Top view)

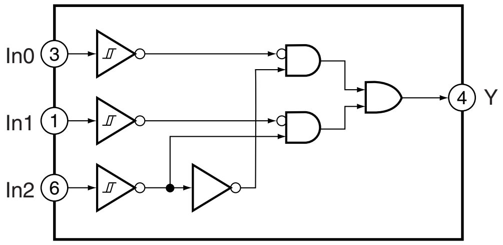

In1 1
GND 2
In0 3
6 In2
5 VCC
4 Y

Truth Table

INPUTS			OUTPUTS
In2	**In1**	**In0**	**Y**
L	L	L	L
L	L	H	L
L	H	L	H
L	H	H	H
H	L	L	L
H	L	H	H
H	H	L	L
H	H	H	H

H: High level
L: Low level

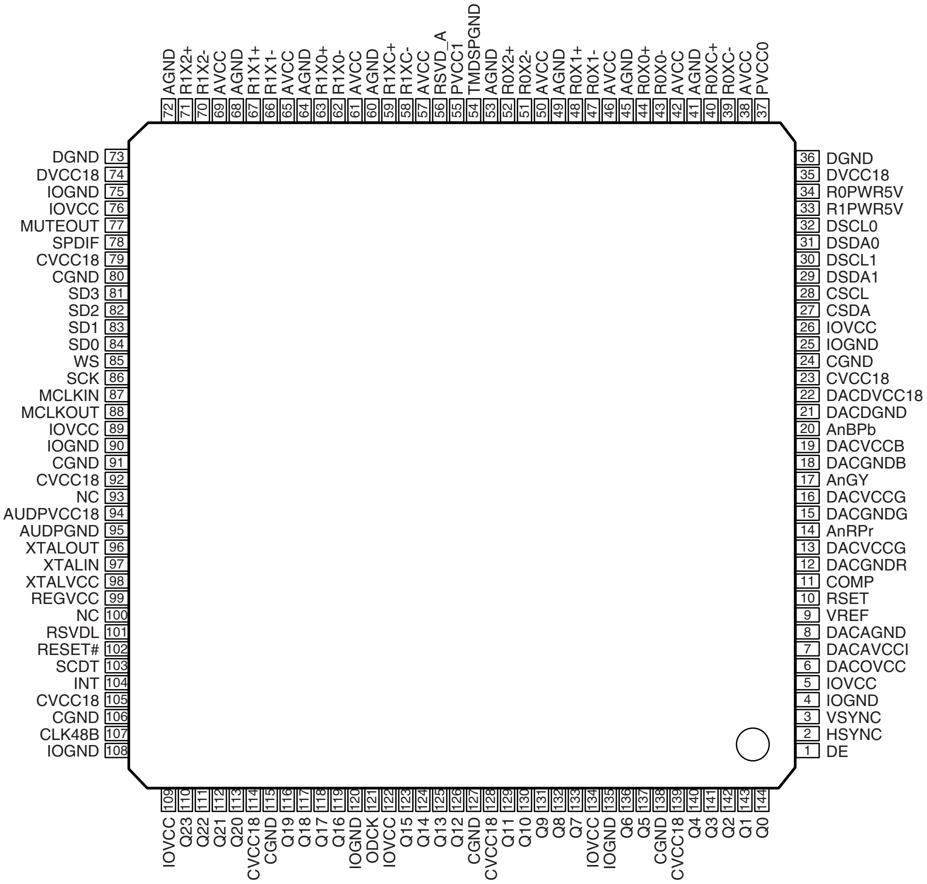
Logic Diagram (positive logic)


In0 3
In1 1
In2 6
4 Y

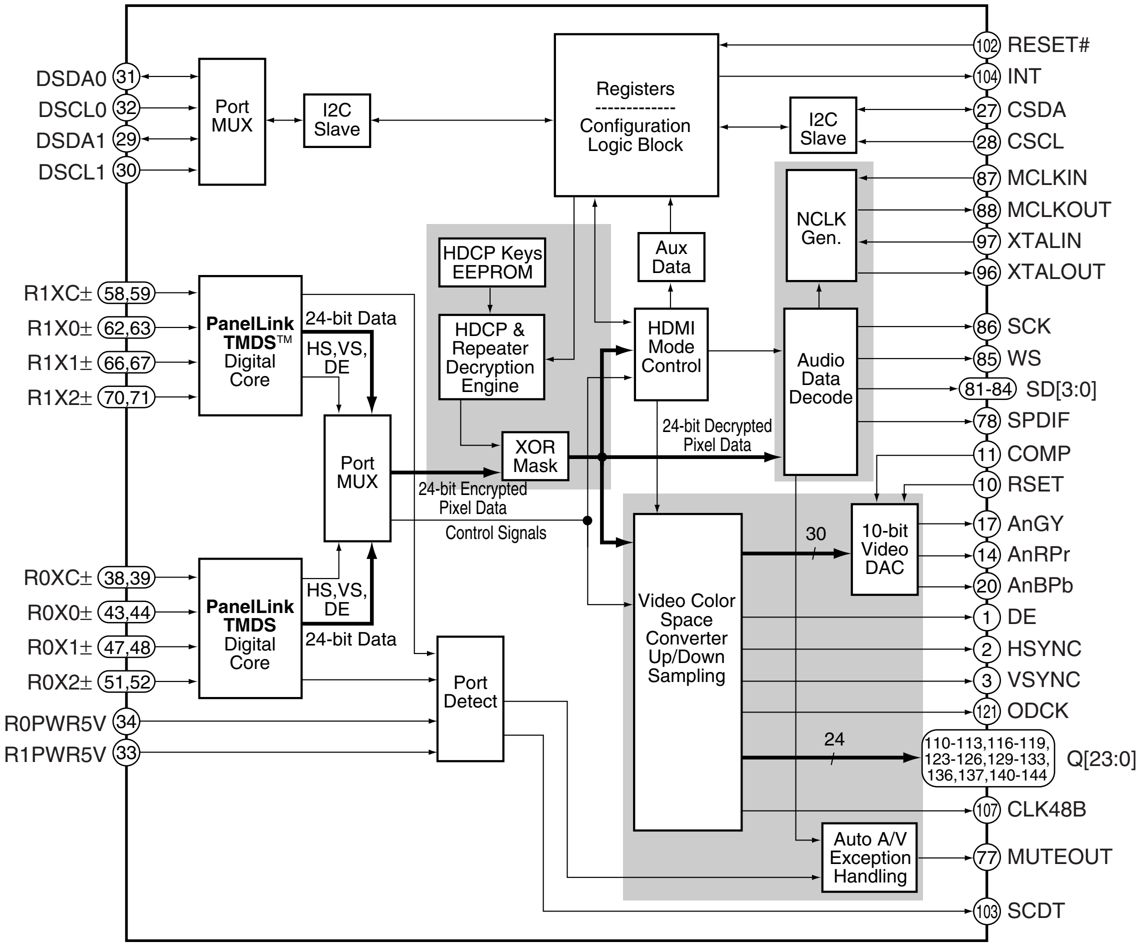
■ SiI9031CTU (HDMI & DVC ASSY : IC101)

- HDMI PanelLink Cinema Receiver

● Pin Arrangement (Top view)


72 AGND
71 R1X2+
70 R1X2-
69 AVCC
68 AGND
67 R1X1+
66 R1X1-
65 AVCC
64 AGND
63 R1X0+
62 R1X0-
61 AVCC
60 AGND
59 R1XC+
58 R1XC-
57 AVCC
56 RSVD_A
55 PVCC1
54 TMDSPGND
53 AGND
52 R0X2+
51 R0X2-
50 AVCC
49 AGND
48 R0X1+
47 R0X1-
46 AVCC
45 AGND
44 R0X0+
43 R0X0-
42 AVCC
41 AGND
40 R0XC+
39 R0XC-
38 AVCC
37 PVCC0
DGND 73
DVCC18 74
IOGND 75
IOVCC 76
MUTEOUT 77
SPDIF 78
CVCC18 79
CGND 80
SD3 81
SD2 82
SD1 83
SD0 84
WS 85
SCK 86
MCLKIN 87
MCLKOUT 88
IOVCC 89
IOGND 90
CGND 91
CVCC18 92
NC 93
AUDPVCC18 94
AUDPGND 95
XTALOUT 96
XTALIN 97
XTALVCC 98
REGVCC 99
NC 100
RSVDL 101
RESET# 102
SCDT 103
INT 104
CVCC18 105
CGND 106
CLK48B 107
IOGND 108
36 DGND
35 DVCC18
34 R0PWR5V
33 R1PWR5V
32 DSCL0
31 DSDA0
30 DSCL1
29 DSDA1
28 CSCL
27 CSDA
26 IOVCC
25 IOGND
24 CGND
23 CVCC18
22 DACDVCC18
21 DACDGND
20 AnBPb
19 DACVCCB
18 DACGNDB
17 AnGY
16 DACVCCG
15 DACGNDG
14 AnRPr
13 DACVCCG
12 DACGNDR
11 COMP
10 RSET
9 VREF
8 DACAGND
7 DACAVCCI
6 DACOVCC
5 IOVCC
4 IOGND
3 VSYNC
2 HSYNC
1 DE
109 IOVCC
110 Q23
111 Q22
112 Q21
113 Q20
114 CVCC18
115 CGND
116 Q19
117 Q18
118 Q17
119 Q16
120 IOGND
121 ODCK
122 IOVCC
123 Q15
124 Q14
125 Q13
126 Q12
127 CGND
128 CVCC18
129 Q11
130 Q10
131 Q9
132 Q8
133 Q7
134 IOVCC
135 IOGND
136 Q6
137 Q5
138 CGND
139 CVCC18
140 Q4
141 Q3
142 Q2
143 Q1
144 Q0

● Block Diagram


DSDA0 31
DSCL0 32
DSDA1 29
DSCL1 30
Port MUX
I2C Slave
Registers

Configuration Logic Block
I2C Slave
102 RESET#
104 INT
27 CSDA
28 CSCL
87 MCLKIN
88 MCLKOUT
97 XTALIN
96 XTALOUT
NCLK Gen.
Aux Data
HDCP Keys EEPROM
HDCP & Repeater Decryption Engine
HDMI Mode Control
Audio Data Decode
86 SCK
85 WS
81-84 SD[3:0]
78 SPDIF
11 COMP
10 RSET
R1XC± 58,59
R1X0± 62,63
R1X1± 66,67
R1X2± 70,71
PanelLink TMDS™ Digital Core
24-bit Data
HS,VS, DE
Port MUX
XOR Mask
24-bit Encrypted Pixel Data
Control Signals
24-bit Decrypted Pixel Data
Video Color Space Converter Up/Down Sampling
30
10-bit Video DAC
17 AnGY
14 AnRPr
20 AnBPb
1 DE
2 HSYNC
3 VSYNC
121 ODCK
24
110-113,116-119, 123-126,129-133, 136,137,140-144 Q[23:0]
107 CLK48B
Auto A/V Exception Handling
77 MUTEOUT
103 SCDT
R0XC± 38,39
R0X0± 43,44
R0X1± 47,48
R0X2± 51,52
PanelLink TMDS Digital Core
HS,VS, DE
24-bit Data
Port Detect
R0PWR5V 34
R1PWR5V 33

● Pin Function

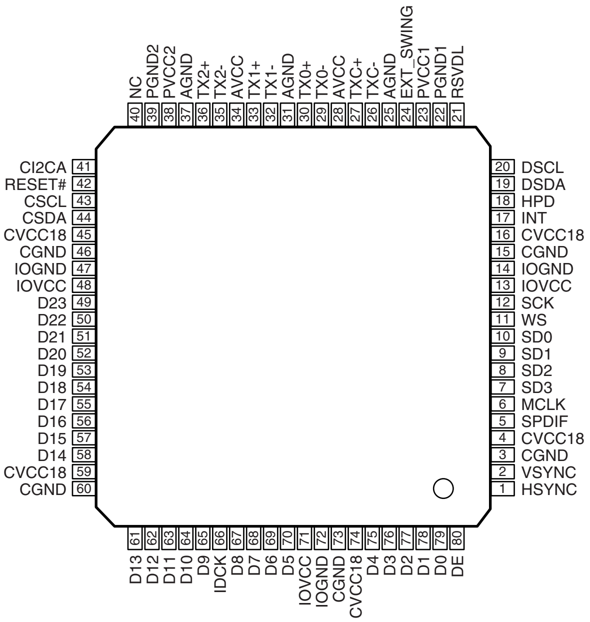
No.	Pin Name	I/O	Function	No.	Pin Name	I/O	Function
1	DE	O	Data enable	41	AGND	–	TMDS analog GND
2	HSYNC	O	Horizontal sync output control signal	42	AVCC	–	TMDS analog VCC (3.3V)
3	VSYNC	O	Vertical sync output control signal	43	R0X0-	I	TMDS input data pair of HDMI port 0
4	IOGND	–	Input/Output pin GND	44	R0X0+	I	TMDS input data pair of HDMI port 0
5	IOVCC	–	Input/Output pin VCC (3.3V)	45	AGND	–	TMDS analog GND
6	DACOVCC	–	DAC output VCC (3.3V)	46	AVCC	–	TMDS analog VCC (3.3V)
7	DACAVCC	–	DAC Analog VCC (3.3V)	47	R0X1-	I	TMDS input data pair of HDMI port 0
8	DACAGND	–	DAC Analog GND	48	R0X1+	I	TMDS input data pair of HDMI port 0
9	VREF	–	Reference voltage	49	AGND	–	TMDS analog GND
10	RSET	I	Full scale adjust resistor	50	AVCC	–	TMDS analog VCC (3.3V)
11	COMP	I	Compensation	51	R0X2-	I	TMDS input data pair of HDMI port 0
12	DACGNDR	–	DAC Red GND	52	R0X2+	I	TMDS input data pair of HDMI port 0
13	DACVCCR	–	DAC Red VDD (3.3V)	53	AGND	–	TMDS analog GND
14	AnRPr	O	Analog video Red, Pr output	54	TMDSPGND	–	TMDS PLL GND
15	DACGNDG	–	DAC Green GND	55	PVCC1	–	TMDS port 1 PLL VCC (3.3V)
16	DACVCCG	–	DAC Green VDD (3.3V)	56	RSVD_A	–	Reserved, leave unconnected.
17	AnGY	O	Analog video Green, Y output	57	AVCC	–	TMDS analog VCC (3.3V)
18	DACGNDB	–	DAC Blue GND	58	R1XC-	I	TMDS input clock pair of HDMI port 1
19	DACVCCB	–	DAC Blue VDD (3.3V)	59	R1XC+	I	TMDS input clock pair of HDMI port 1
20	AnBPb	O	Analog video Blue, Pb output	60	AGND	–	TMDS analog GND
21	DACDGND	–	DAC Digital GND	61	AVCC	–	TMDS analog VCC (3.3V)
22	DACDVCC18	–	DAC Digital VCC (1.8V)	62	R1X0-	I	TMDS input data pair of HDMI port 1
23	CVCC18	–	Digital logic VCC (1.8V)	63	R1X0+	I	TMDS input data pair of HDMI port 1
24	CGND	–	Digital logic GND	64	AGND	–	TMDS analog GND
25	IOGND	–	Input/Output pin GND	65	AVCC	–	TMDS analog VCC (3.3V)
26	IOVCC	–	Input/Output pin VCC (3.3V)	66	R1X1-	I	TMDS input data pair of HDMI port 1
27	CSDA	Bi-Di	Configuration I2C data	67	R1X1+	I	TMDS input data pair of HDMI port 1
28	CSCL	I	Configuration I2C clock	68	AGND	–	TMDS analog GND
29	DSDA1	Bi-Di	DDC I2C data for port 1	69	AVCC	–	TMDS analog VCC (3.3V)
30	DSCL1	I	DDC I2C clock for port 1	70	R1X2-	I	TMDS input data pair of HDMI port 1
31	DSDA0	Bi-Di	DDC I2C clock for port 0	71	R1X2+	I	TMDS input data pair of HDMI port 1
32	DSCL0	I	DDC I2C data for port 0	72	AGND	–	TMDS analog GND
33	R1PWR5V	I	Port 1 transmitter detect	73	DGND	–	ACR PLL GND
34	R0PWR5V	I	Port 0 transmitter detect	74	DVCC18	–	ACR PLL Digital VCC (1.8V)
35	DVCC18	–	ACR PLL Digital VCC (1.8V)	75	IOGND	–	Input/Output pin GND
36	DGND	–	ACR PLL GND	76	IOVCC	–	Input/Output pin VCC (3.3V)
37	PVCC0	–	TMDS port 0 PLL VCC (3.3V)	77	MUTEOUT	O	Mute audio output
38	AVCC	–	TMDS analog VCC (3.3V)	78	SPDIF	O	S/PDIF audio output
39	R0XC-	I	TMDS input clock pair of HDMI port 0	79	CVCC18	–	Digital logic VCC (1.8V)
40	R0XC+	I	TMDS input clock pair of HDMI port 0	80	CGND	–	Digital logic GND

No.	Pin Name	I/O	Function	No.	Pin Name	I/O	Function
81	SD3	O	I2S serial data output	113	Q20	O	24-bit output pixel data bus
82	SD2	O	I2S serial data output	114	CVCC18	–	Digital logic VCC (1.8V)
83	SD1	O	I2S serial data output	115	CGND	–	Digital logic GND
84	SD0	O	I2S serial data output	116	Q19	O	24-bit output pixel data bus
85	WS	O	I2S word select output	117	Q18	O	24-bit output pixel data bus
86	SCK	O	I2S serial clock output	118	Q17	O	24-bit output pixel data bus
87	MCLKIN	I	Audio master clock input reference	119	Q16	O	24-bit output pixel data bus
88	MCLKOUT	O	Audio master clock output	120	IOGND	–	Input/Output pin GND
89	IOVCC	–	Input/Output pin VCC (3.3V)	121	ODCK	O	Output data clock
90	IOGND	–	Input/Output pin GND	122	IOVCC	–	Input/Output pin VCC (3.3V)
91	CGND	–	Digital logic GND	123	Q15	O	24-bit output pixel data bus
92	CVCC18	–	Digital logic VCC (1.8V)	124	Q14	O	24-bit output pixel data bus
93	NC	–	No connect	125	Q13	O	24-bit output pixel data bus
94	AUDPVCC18	–	ACR PLL VCC (1.8V)	126	Q12	O	24-bit output pixel data bus
95	AUDPGND	–	ACR PLL GND	127	CGND	–	Digital logic GND
96	XTALOUT	O	Crystal clock output	128	CVCC18	–	Digital logic VCC (1.8V)
97	XTALIN	I	Crystal clock input	129	Q11	O	24-bit output pixel data bus
98	XTALVCC	–	ACR PLL crystal input VCC (3.3V)	130	Q10	O	24-bit output pixel data bus
99	REGVCC	–	ACR PLL regulator VCC (3.3V)	131	Q9	O	24-bit output pixel data bus
100	NC	–	No connect	132	Q8	O	24-bit output pixel data bus
101	RSVDL	I	Reserved, must be tied Low.	133	Q7	O	24-bit output pixel data bus
102	RESET#	I	Reset pin Active Low.	134	IOVCC	–	Input/Output pin VCC (3.3V)
103	SCDT	O	Indicates active video at HDMI input port	135	IOGND	–	Input/Output pin GND
104	INT	O	Interrupt output	136	Q6	O	24-bit output pixel data bus
105	CVCC18	–	Digital logic VCC (1.8V)	137	Q5	O	24-bit output pixel data bus
106	CGND	–	Digital logic GND	138	CGND	–	Digital logic GND
107	CLK48B	Bi-Di	Data bus latch enable	139	CVCC18	–	Digital logic VCC (1.8V)
108	IOGND	–	Input/Output pin GND	140	Q4	O	24-bit output pixel data bus
109	IOVCC	–	Input/Output pin VCC (3.3V)	141	Q3	O	24-bit output pixel data bus
110	Q23	O	24-bit output pixel data bus	142	Q2	O	24-bit output pixel data bus
111	Q22	O	24-bit output pixel data bus	143	Q1	O	24-bit output pixel data bus
112	Q21	O	24-bit output pixel data bus	144	Q0	O	24-bit output pixel data bus

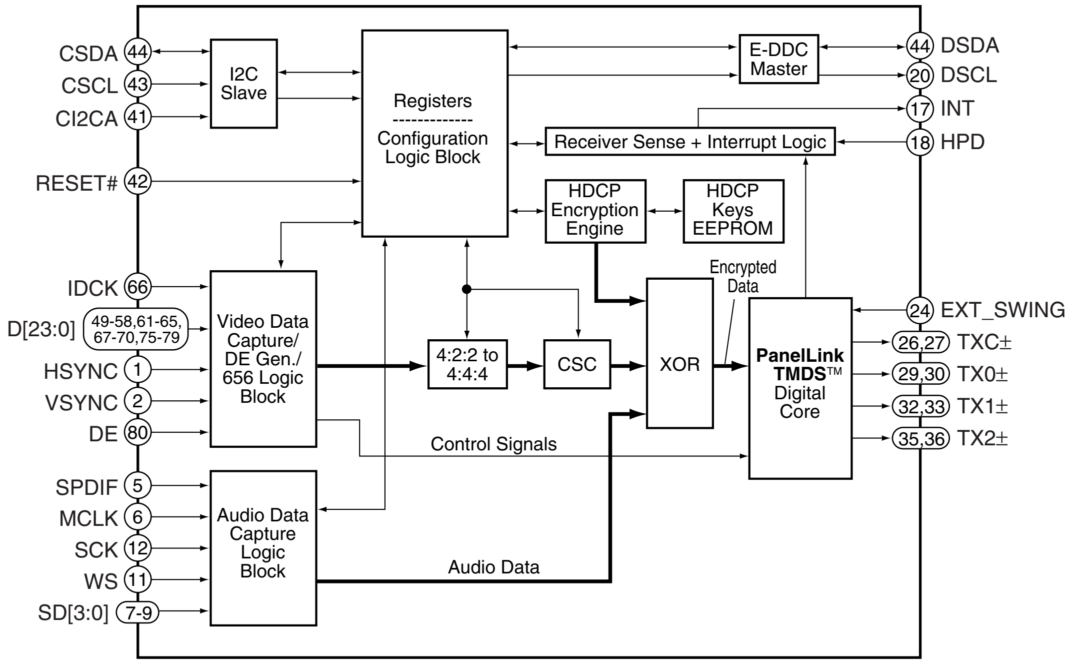
■ SiI9030CTU (HDMI & DVC ASSY : IC301)

- HDMI PanelLink Transmitter

● Pin Arrangement (Top view)


40 NC
39 PGND2
38 PVCC2
37 AGND
36 TX2+
35 TX2-
34 AVCC
33 TX1+
32 TX1-
31 AGND
30 TX0+
29 TX0-
28 AVCC
27 TXC+
26 TXC-
25 AGND
24 EXT_SWING
23 PVCC1
22 PGND1
21 RSVDL
CI2CA 41
RESET# 42
CSCL 43
CSDA 44
CVCC18 45
CGND 46
IOGND 47
IOVCC 48
D23 49
D22 50
D21 51
D20 52
D19 53
D18 54
D17 55
D16 56
D15 57
D14 58
CVCC18 59
CGND 60
20 DSCL
19 DSDA
18 HPD
17 INT
16 CVCC18
15 CGND
14 IOGND
13 IOVCC
12 SCK
11 WS
10 SD0
9 SD1
8 SD2
7 SD3
6 MCLK
5 SPDIF
4 CVCC18
3 CGND
2 VSYNC
1 HSYNC
61 D13
62 D12
63 D11
64 D10
65 D9
66 IDCK
67 D8
68 D7
69 D6
70 D5
71 IOVCC
72 IOGND
73 CGND
74 CVCC18
75 D4
76 D3
77 D2
78 D1
79 D0
80 DE

● Block Diagram


CSDA 44
CSCL 43
CI2CA 41
RESET# 42
IDCK 66
D[23:0] 49-58,61-65, 67-70,75-79
HSYNC 1
VSYNC 2
DE 80
SPDIF 5
MCLK 6
SCK 12
WS 11
SD[3:0] 7-9
I2C Slave
Registers
Configuration Logic Block
E-DDC Master
Receiver Sense + Interrupt Logic
HDCP Encryption Engine
HDCP Keys EEPROM
Video Data Capture/ DE Gen./ 656 Logic Block
4:2:2 to 4:4:4
CSC
XOR
Encrypted Data
PanelLink TMDS™ Digital Core
Control Signals
Audio Data Capture Logic Block
Audio Data
44 DSDA
20 DSCL
17 INT
18 HPD
24 EXT_SWING
26,27 TXC±
29,30 TX0±
32,33 TX1±
35,36 TX2±

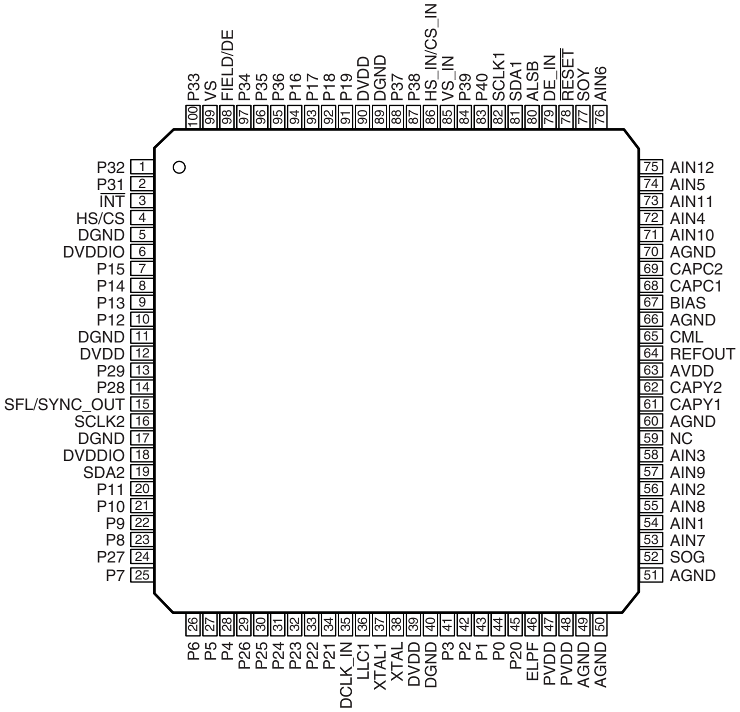
● Pin Function

No.	Pin Name	I/O	Function	No.	Pin Name	I/O	Function
1	HSYNC	I	Horizontal sync input control signal	41	CI2CA	I	I2C device address select
2	VSYNC	I	Vertical sync input control signal	42	RESET#	I	Reset pin (Active Low.)
3	CGND	–	Digital core GND	43	CSCL	I	I2C clock
4	CVCC18	–	Digital core VCC (1.8V)	44	CSDA	Bi-Di	I2C data (Open drain output)
5	SPDIF	I	S/PDIF audio input	45	CVCC18	–	Digital core VCC (1.8V)
6	MCLK	I	Audio input master clock	46	CGND	–	Digital core GND
7	SD3	I	I2S serial data	47	IOGND	–	IO pin GND
8	SD2	I	I2S serial data	48	IOVCC	–	IO pin VCC (3.3V)
9	SD1	I	I2S serial data	49	D23	I	12-bit input pixel data bus
10	SD0	I	I2S serial data	50	D22	I	12-bit input pixel data bus
11	WS	I	I2S word select	51	D21	I	12-bit input pixel data bus
12	SCK	I	I2S serial clock	52	D20	I	12-bit input pixel data bus
13	IOVCC	–	IO pin VCC (3.3V)	53	D19	I	12-bit input pixel data bus
14	IOGND	–	IO pin GND	54	D18	I	12-bit input pixel data bus
15	CGND	–	Digital core GND	55	D17	I	12-bit input pixel data bus
16	CVCC18	–	Digital core VCC (1.8V)	56	D16	I	12-bit input pixel data bus
17	INT	O	Interrupt output	57	D15	I	12-bit input pixel data bus
18	HPD	I	Hot plug detect input	58	D14	I	12-bit input pixel data bus
19	DSDA	Bi-Di	DDC data (Open drain output)	59	CVCC18	–	Digital core VCC (1.8V)
20	DSCL	Bi-Di	DDC clock	60	CGND	–	Digital core GND
21	RSVDL	I	Reserved for use by sillicon image, and must be tied Low.	61	D13	I	12-bit input pixel data bus
22	PGND1	–	TMDS core PLL ground	62	D12	I	12-bit input pixel data bus
23	PVCC1	–	TMDS core PLL power (3.3V)	63	D11	I	12-bit input pixel data bus
24	EXT_SWING	I	Voltage swing adjust	64	D10	I	12-bit input pixel data bus
25	AGND	–	Analog GND	65	D9	I	12-bit input pixel data bus
26	TXC-	O	TMDS output clock pairs	66	IDCK	I	Input data clock
27	TXC+	O	TMDS output clock pairs	67	D8	I	12-bit input pixel data bus
28	AVCC	–	Analog VCC (3.3V)	68	D7	I	12-bit input pixel data bus
29	TX0-	O	TMDS output data pairs	69	D6	I	12-bit input pixel data bus
30	TX0+	O	TMDS output data pairs	70	D5	I	12-bit input pixel data bus
31	AGND	–	Analog GND	71	IOVCC	–	IO pin VCC (3.3V)
32	TX1-	O	TMDS output data pairs	72	IOGND	–	IO pin GND
33	TX1+	O	TMDS output data pairs	73	CGND	–	Digital core GND
34	AVCC	–	Analog VCC (3.3V)	74	CVCC18	–	Digital core VCC (1.8V)
35	TX2-	O	TMDS output data pairs	75	D4	I	12-bit input pixel data bus
36	TX2+	O	TMDS output data pairs	76	D3	I	12-bit input pixel data bus
37	AGND	–	Analog GND	77	D2	I	12-bit input pixel data bus
38	PVCC2	–	Filter PLL power (3.3V)	78	D1	I	12-bit input pixel data bus
39	PGND2	–	Filter PLL ground	79	D0	I	12-bit input pixel data bus
40	NC	–	Not connected	80	DE	I	Data enable

■ ADV7400AKSTZ-80 (HDMI & DVC ASSY : IC401)

- Video Decoder IC

● Pin Arrangement (Top view)


100 P33
99 VS
98 FIELD/DE
97 P34
96 P35
95 P36
94 P16
93 P17
92 P18
91 P19
90 DVDD
89 DGND
88 P37
87 P38
86 HS_IN/CS_IN
85 VS_IN
84 P39
83 P40
82 SCLK1
81 SDA1
80 ALSB
79 DE_IN
78 RESET
77 SOY
76 AIN6
P32 1
P31 2
INT 3
HS/CS 4
DGND 5
DVDDIO 6
P15 7
P14 8
P13 9
P12 10
DGND 11
DVDD 12
P29 13
P28 14
SFL/SYNC_OUT 15
SCLK2 16
DGND 17
DVDDIO 18
SDA2 19
P11 20
P10 21
P9 22
P8 23
P27 24
P7 25
75 AIN12
74 AIN5
73 AIN11
72 AIN4
71 AIN10
70 AGND
69 CAPC2
68 CAPC1
67 BIAS
66 AGND
65 CML
64 REFOUT
63 AVDD
62 CAPY2
61 CAPY1
60 AGND
59 NC
58 AIN3
57 AIN9
56 AIN2
55 AIN8
54 AIN1
53 AIN7
52 SOG
51 AGND
26 P6
27 P5
28 P4
29 P26
30 P25
31 P24
32 P23
33 P22
34 P21
35 DCLK_IN
36 LLC1
37 XTAL1
38 XTAL
39 DVDD
40 DGND
41 P3
42 P2
43 P1
44 P0
45 P20
46 ELPF
47 PVDD
48 PVDD
49 AGND
50 AGND

● Pin Function

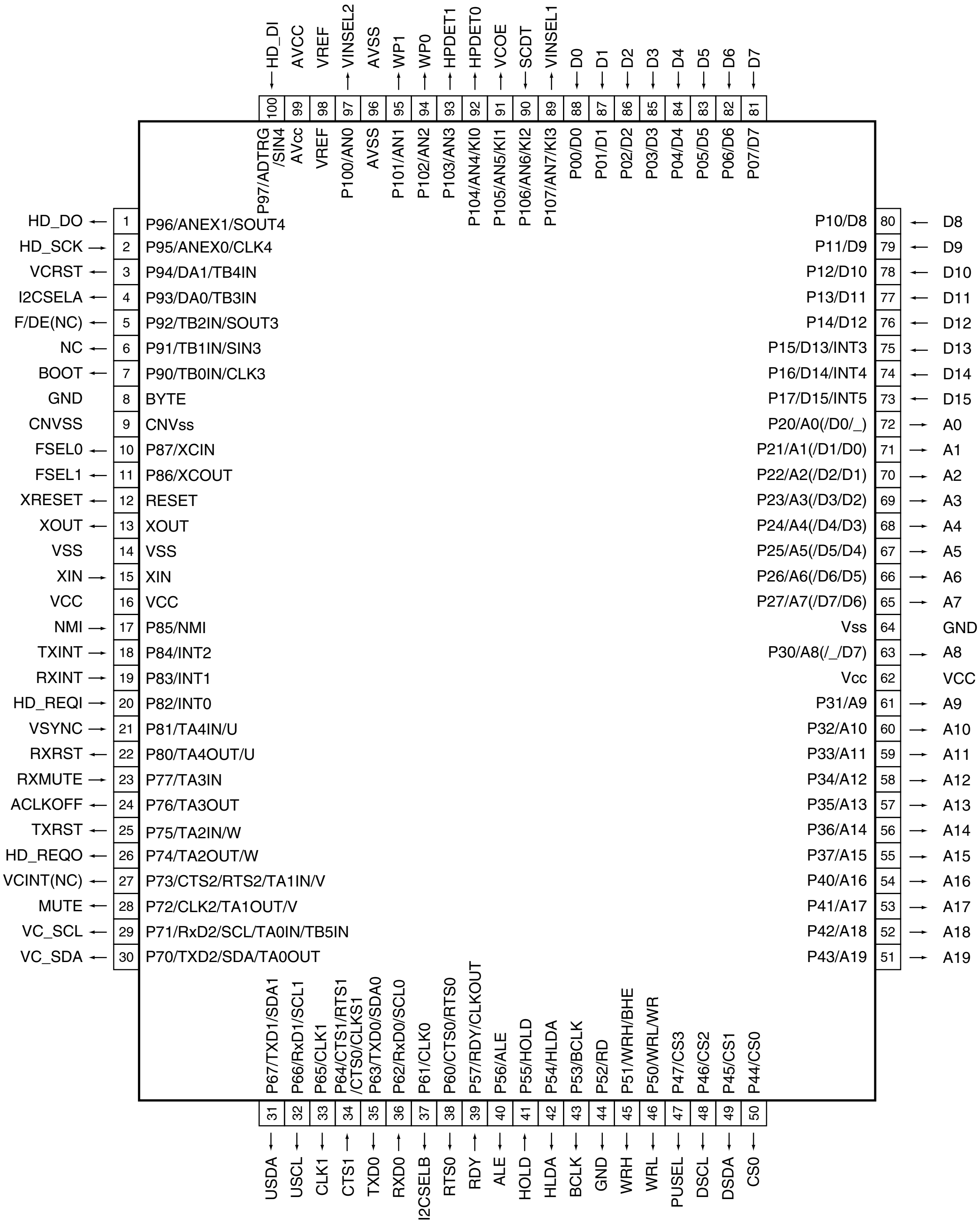
No.	Pin Name	I/O	Function	No.	Pin Name	I/O	Function
1	P32	I	Video pixel input port	11	DGND	–	Digital ground
2	P31	I	Video pixel input port	12	DVDD	–	Digital core supply voltage (1.8V)
3	INT	O	Interrupt pin	13	P29	I/O	Video pixel input/output port
4	HS/CS	O	H. Sync. output/digital composite sync. signal	14	P28	I/O	Video pixel input/output port
5	DGND	–	Digital ground	15	SFL/SYNC_OUT	O	Subcarrier frequency lock/SYNC_OUT is the sliced sync output signal only available in CP mode.
6	DVDDIO	–	Digital I/O supply voltage (3.3V)	16	SCLK2	I	I2C port serial clock input (max 400kHz)
7	P15	O	Video pixel output port	17	DGND	–	Digital ground
8	P14	O	Video pixel output port	18	DVDDIO	–	Digital I/O supply voltage (3.3V)
9	P13	O	Video pixel output port	19	SDA2	I/O	I2C port serial data input/output
10	P12	O	Video pixel output port	20	P11	I	Video pixel input port

No.	Pin Name	I/O	Function	No.	Pin Name	I/O	Function
21	P10	I	Video pixel input port	61	CAPY1	I	ADC capacitor network
22	P9	O	Video pixel output port	62	CAPY2	I	ADC capacitor network
23	P8	O	Video pixel output port	63	AVDD	–	Analog supply voltage (3.3V)
24	P27	I/O	Video pixel input/output port	64	REFOUT	O	Internal voltage reference output
25	P7	O	Video pixel output port	65	CML	O	Common-mode level pin for the internal ADCs
26	P6	O	Video pixel output port	66	AGND	–	Analog ground
27	P5	O	Video pixel output port	67	BIAS	O	External bias setting
28	P4	O	Video pixel output port	68	CAPC1	I	ADC capacitor network
29	P26	I/O	Video pixel input/output port	69	CAPC2	I	ADC capacitor network
30	P25	I/O	Video pixel input/output port	70	AGND	–	Analog ground
31	P24	I/O	Video pixel input/output port	71	AIN10	I	Analog video input channel
32	P23	I/O	Video pixel input/output port	72	AIN4	I	Analog video input channel
33	P22	I/O	Video pixel input/output port	73	AIN11	I	Analog video input channel
34	P21	I	Video pixel input port	74	AIN5	I	Analog video input channel
35	DCLK_IN	I	Clock input signal	75	AIN12	I	Analog video input channel
36	LLC1	O	Line-locked output clock for the pixel data output	76	AIN6	I	Analog video input channel
37	XTAL1	O	27MHz crystal connect pin	77	SOY	I	Sync on luma input
38	XTAL	I	Input pin for 27MHz crystal	78	$\overline{\text{RESET}}$	I	System reset input
39	DVDD	–	Digital core supply voltage (1.8V)	79	DE_IN	I	Data enable input signal
40	DGND	–	Digital ground	80	ALSB	I	Selects the I2C address for the ADV7400A control and VBI readback port
41	P3	O	Video pixel output port	81	SDA1	I/O	I2C port serial data input/output
42	P2	O	Video pixel output port	82	SCLK1	I	I2C port serial clock input (max 400kHz)
43	P1	I	Video pixel input port	83	P40	I	Video pixel input port
44	P0	I	Video pixel input port	84	P39	I	Video pixel input port
45	P20	I	Video pixel input port	85	VS_IN	I	VS input signal
46	ELPF	O	The recommend external loop filter must be connected to this pin	86	HS_IN/CS_IN	I	Can be configured in CP mode to be either a digital HS input signal or a digital CS input signal used to extract timing in 5-wire or 4-wire RGB mode.
47	PVDD	–	PLL supply voltage (1.8V)	87	P38	I	Video pixel input port
48	PVDD	–	PLL supply voltage (1.8V)	88	P37	I	Video pixel input port
49	AGND	–	Analog ground	89	DGND	–	Digital ground
50	AGND	–	Analog ground	90	DVDD	–	Digital core supply voltage (1.8V)
51	AGND	–	Analog ground	91	P19	O	Video pixel output port
52	SOG	I	Sync on green input	92	P18	O	Video pixel output port
53	AIN7	I	Analog video input channel	93	P17	O	Video pixel output port
54	AIN1	I	Analog video input channel	94	P16	O	Video pixel output port
55	AIN8	I	Analog video input channel	95	P36	I	Video pixel input port
56	AIN2	I	Analog video input channel	96	P35	I	Video pixel input port
57	AIN9	I	Analog video input channel	97	P34	I	Video pixel input port
58	AIN3	I	Analog video input channel	98	FIELD/DE	O	Field sync signal output/data enable
59	NC	–	No connect pin	99	VS	O	Vertical sync output signal
60	AGND	–	Analog ground	100	P33	I	Video pixel input port

■ PEG118A (HDMI & DVC ASSY : IC501)

• HDMI Microcomputer

● Pin Arrangement (Top view)


100 P97/ADTRG/SIN4 HD_DI
99 AVcc AVCC
98 VREF VREF
97 P100/AN0 VINSEL2
96 AVSS AVSS
95 P101/AN1 WP1
94 P102/AN2 WP0
93 P103/AN3 HPDET1
92 P104/AN4/KI0 HPDET0
91 P105/AN5/KI1 VCOE
90 P106/AN6/KI2 SCDT
89 P107/AN7/KI3 VINSEL1
88 P00/D0 D0
87 P01/D1 D1
86 P02/D2 D2
85 P03/D3 D3
84 P04/D4 D4
83 P05/D5 D5
82 P06/D6 D6
81 P07/D7 D7
HD_DO 1 P96/ANEX1/SOUT4
HD_SCK 2 P95/ANEX0/CLK4
VCRST 3 P94/DA1/TB4IN
I2CSELA 4 P93/DA0/TB3IN
F/DE(NC) 5 P92/TB2IN/SOUT3
NC 6 P91/TB1IN/SIN3
BOOT 7 P90/TB0IN/CLK3
GND 8 BYTE
CNVSS 9 CNVss
FSEL0 10 P87/XCIN
FSEL1 11 P86/XCOUT
XRESET 12 RESET
XOUT 13 XOUT
VSS 14 VSS
XIN 15 XIN
VCC 16 VCC
NMI 17 P85/NMI
TXINT 18 P84/INT2
RXINT 19 P83/INT1
HD_REQI 20 P82/INT0
VSYNC 21 P81/TA4IN/U
RXRST 22 P80/TA4OUT/U
RXMUTE 23 P77/TA3IN
ACLKOFF 24 P76/TA3OUT
TXRST 25 P75/TA2IN/W
HD_REQO 26 P74/TA2OUT/W
VCINT(NC) 27 P73/CTS2/RTS2/TA1IN/V
MUTE 28 P72/CLK2/TA1OUT/V
VC_SCL 29 P71/RxD2/SCL/TA0IN/TB5IN
VC_SDA 30 P70/TXD2/SDA/TA0OUT
P10/D8 80 D8
P11/D9 79 D9
P12/D10 78 D10
P13/D11 77 D11
P14/D12 76 D12
P15/D13/INT3 75 D13
P16/D14/INT4 74 D14
P17/D15/INT5 73 D15
P20/A0(/D0/_) 72 A0
P21/A1(/D1/D0) 71 A1
P22/A2(/D2/D1) 70 A2
P23/A3(/D3/D2) 69 A3
P24/A4(/D4/D3) 68 A4
P25/A5(/D5/D4) 67 A5
P26/A6(/D6/D5) 66 A6
P27/A7(/D7/D6) 65 A7
Vss 64 GND
P30/A8(/_/D7) 63 A8
Vcc 62 VCC
P31/A9 61 A9
P32/A10 60 A10
P33/A11 59 A11
P34/A12 58 A12
P35/A13 57 A13
P36/A14 56 A14
P37/A15 55 A15
P40/A16 54 A16
P41/A17 53 A17
P42/A18 52 A18
P43/A19 51 A19
P67/TXD1/SDA1 31 USDA
P66/RxD1/SCL1 32 USCL
P65/CLK1 33 CLK1
P64/CTS1/RTS1/CTS0/CLKS1 34 CTS1
P63/TXD0/SDA0 35 TXD0
P62/RxD0/SCL0 36 RXD0
P61/CLK0 37 I2CSELB
P60/CTS0/RTS0 38 RTS0
P57/RDY/CLKOUT 39 RDY
P56/ALE 40 ALE
P55/HOLD 41 HOLD
P54/HLDA 42 HLDA
P53/BCLK 43 BCLK
P52/RD 44 GND
P51/WRH/BHE 45 WRH
P50/WRL/WR 46 WRL
P47/CS3 47 PUSEL
P46/CS2 48 DSCL
P45/CS1 49 DSDA
P44/CS0 50 CS0

● Pin Function

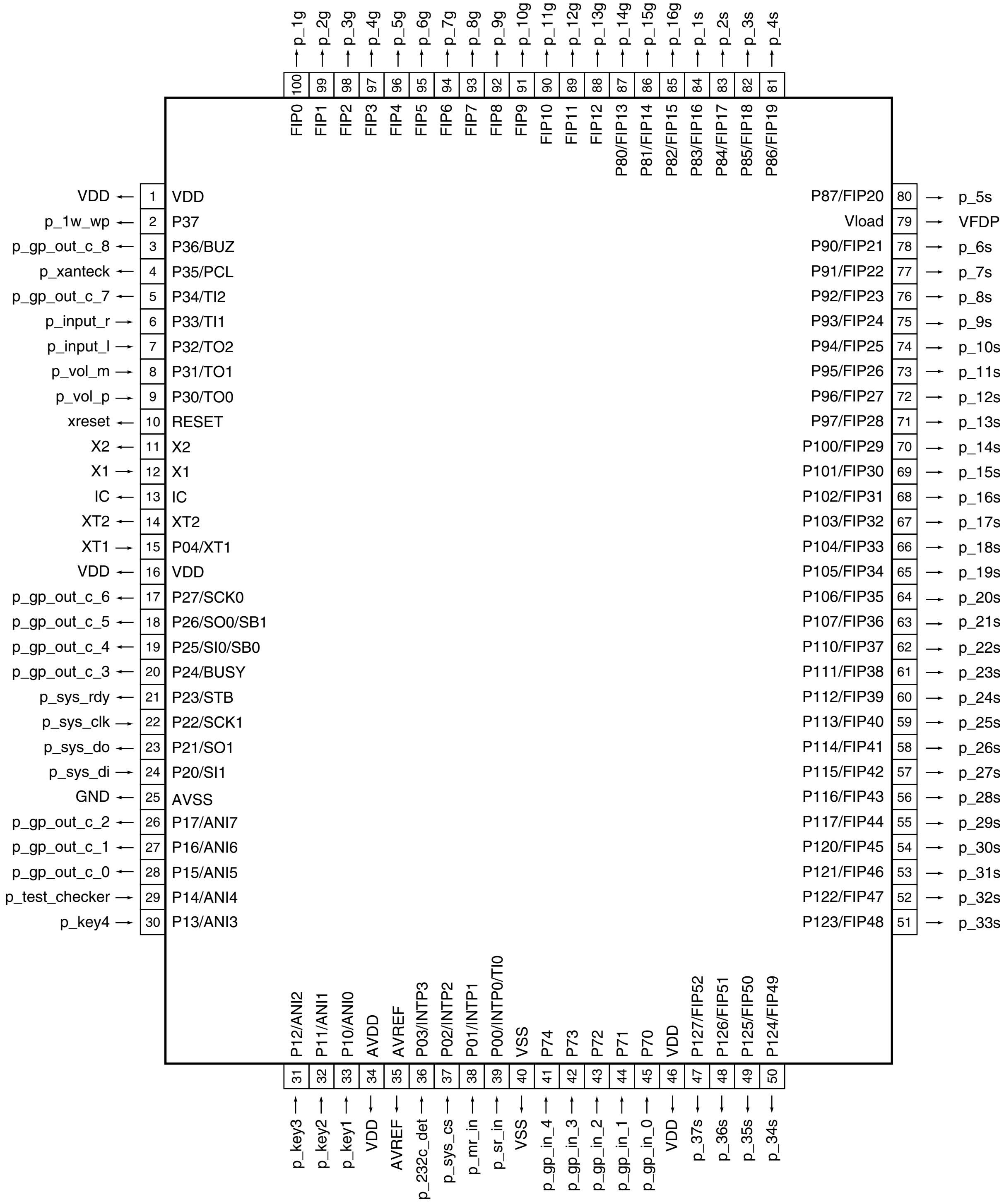
No.	Mark	Pin Name	I/O	Pin Function
1	P96/ANEX1/SOUT4	HD_DO	O	Main controller communication
2	P95/ANEX0/CLK4	HD_SCK	I	Main controller communication
3	P94/DA1/TB4IN	VCRST	O	ADV7400A, ADV7172K
4	P93/DA0/TB3IN	I2CSELA	O	Access selection of EDID 1or 0 or Sil
5	P92/TB2IN/SOUT3	F/DE(NC)	O	
6	P91/TB1IN/SIN3	NC	O	Not connected
7	P90/TB0IN/CLK3	BOOT	O	
8	BYTE	GND		Ground
9	CNVss	CNVSS	–	CNVSS
10	P87/XCIN	FSEL0	O	IC601 FilterSelect
11	P86/XCOUT	FSEL1	O	IC601 FilterSelect
12	RESET	XRESET	O	Reset circuit of main controller communication
13	XOUT	XOUT	O	XTAL output
14	VSS	VSS	–	Ground
15	XIN	XIN	I	XTA input
16	VCC	VCC	–	3.3V power supply
17	P85/NMI	NMI	I	
18	P84/INT2	TXINT	I	Sil9030
19	P83/INT1	RXINT	I	Sil9031
20	P82/INT0	HD_REQI	I	REQ IN of main controller communication
21	P81/TA4IN/U	VSYNC	I	Not used
22	P80/TA4OUT/U	RXRST	O	Sil9031 RESET
23	P77/TA3IN	RXMUTE	I	Not used
24	P76/TA3OUT	ACLKOFF	O	For radio wave measures
25	P75/TA2IN/W	TXRST	O	Sil9030 reset
26	P74/TA2OUT/W	HD_REQO	O	REQ OUT of main controller communication
27	P73/CTS2/RTS2/TA1IN/V	VCINT(NC)	O	RDY_FP(INT) VIDEO DECODER
28	P72/CLK2/TA1OUT/V	MUTE	O	MUTE control
29	P71/RxD2/SCL/TA0IN/TB5IN	VC_SCL	O	Each IC (video converter)
30	P70/TXD2/SDA/TA0OUT	VC_SDA	O	Each IC
31	P67/TXD1/SDA1	USDA	O	Microcomputer rewriting connector / TX,RX
32	P66/RxD1/SCL1	USCL	O	Microcomputer rewriting connector / TX,RX
33	P65/CLK1	CLK1	O	Microcomputer rewriting connector / selector
34	P64/CTS1/RTS1/CTS0/CLKS1	CTS1	I	Microcomputer rewriting connector / 232C
35	P63/TXD0/SDA0	TXD0	O	232c
36	P62/RxD0/SCL0	RXD0	I	232c
37	P61/CLK0	I2CSELB	O	Access selection of EDID 1or 0 or Sil
38	P60/CTS0/RTS0	RTS0	O	232c
39	P57/RDY/CLKOUT	RDY	I	Open
40	P56/ALE	ALE	O	Open
41	P55/HOLD	HOLD	I	
42	P54/HLDA	HLDA	O	Open
43	P53/BCLK	BCLK	O	Open
44	P52/RD	GND	O	IC502 (for external Flash)
45	P51/WRH/BHE	WRH	O	IC502 open
46	P50/WRL/WR	WRL	O	IC502 (for external Flash)
47	P47/CS3	PUSEL	O	IC502 DDC communication 2.7k/4.7k resistor switch
48	P46/CS2	DSCL	O	IC502 I2C for DDC
49	P45/CS1	DSDA	O	IC502 I2C for DDC
50	P44/CS0	CS0	O	IC502 (for external Flash)

No.	Mark	Pin Name	I/O	Pin Function
51	P43/A19	A19	O	Address output for IC502 (open)
52	P42/A18	A18	O	Address output for IC502
53	P41/A17	A17	O	Address output for IC502
54	P40/A16	A16	O	Address output for IC502
55	P37/A15	A15	O	Address output for IC502
56	P36/A14	A14	O	Address output for IC502
57	P35/A13	A13	O	Address output for IC502
58	P34/A12	A12	O	Address output for IC502
59	P33/A11	A11	O	Address output for IC502
60	P32/A10	A10	O	Address output for IC502
61	P31/A9	A9	O	Address output for IC502
62	Vcc	VCC	–	3.3V power supply
63	P30/A8(/_/D7)	A8	O	Address output for IC502
64	Vss	GND	–	Ground
65	P27/A7(/D7/D6)	A7	O	Address output for IC502
66	P26/A6(/D6/D5)	A6	O	Address output for IC502
67	P25/A5(/D5/D4)	A5	O	Address output for IC502
68	P24/A4(/D4/D3)	A4	O	Address output for IC502
69	P23/A3(/D3/D2)	A3	O	Address output for IC502
70	P22/A2(/D2/D1)	A2	O	Address output for IC502
71	P21/A1(/D1/D0)	A1	O	Address output for IC502
72	P20/A0(/D0/_)	A0	O	Address output for IC502
73	P17/D15/INT5	D15	I	Data input for IC502
74	P16/D14/INT4	D14	I	Data input for IC502
75	P15/D13/INT3	D13	I	Data input for IC502
76	P14/D12	D12	I	Data input for IC502
77	P13/D11	D11	I	Data input for IC502
78	P12/D10	D10	I	Data input for IC502
79	P11/D9	D9	I	Data input for IC502
80	P10/D8	D8	I	Data input for IC502
81	P07/D7	D7	I	Data input for IC502
82	P06/D6	D6	I	Data input for IC502
83	P05/D5	D5	I	Data input for IC502
84	P04/D4	D4	I	Data input for IC502
85	P03/D3	D3	I	Data input for IC502
86	P02/D2	D2	I	Data input for IC502
87	P01/D1	D1	I	Data input for IC502
88	P00/D0	D0	I	Data input for IC502
89	P107/AN7/KI3	VINSEL1	O	IC602-pin 1 (MM1503XN)
90	P106/AN6/KI2	SCDT	I	Sil9031
91	P105/AN5/KI1	VCOE	O	Select RX or DVC L: Si9030, DVC output ON ,H: Si9030 Hz
92	P104/AN4/KI0	HPDET0	O	Plug
93	P103/AN3	HPDET1	O	Plug
94	P102/AN2	WP0	O	EDID
95	P101/AN1	WP1	O	EDID
96	AVSS	AVSS	–	Ground Connect to VSS.
97	P100/AN0	VINSEL2	O	
98	VREF	VREF	–	3.3V Connect to VCC.
99	AVcc	AVCC	–	3.3V Connect to VCC.
100	P97/ADTRG/SIN4	HD_DI	I	Main controller communication

■ PE5503A (DISPLAY ASSY : IC3201)

• Display Microcomputer

● Pin Arrangement (Top view)



p_1g ↑ 100 FIP0
p_2g ↑ 99 FIP1
p_3g ↑ 98 FIP2
p_4g ↑ 97 FIP3
p_5g ↑ 96 FIP4
p_6g ↑ 95 FIP5
p_7g ↑ 94 FIP6
p_8g ↑ 93 FIP7
p_9g ↑ 92 FIP8
p_10g ↑ 91 FIP9
p_11g ↑ 90 FIP10
p_12g ↑ 89 FIP11
p_13g ↑ 88 FIP12
p_14g ↑ 87 P80/FIP13
p_15g ↑ 86 P81/FIP14
p_16g ↑ 85 P82/FIP15
p_1s ↑ 84 P83/FIP16
p_2s ↑ 83 P84/FIP17
p_3s ↑ 82 P85/FIP18
p_4s ↑ 81 P86/FIP19
VDD ← 1 VDD
p_1w_wp ← 2 P37
p_gp_out_c_8 ← 3 P36/BUZ
p_xanteck ← 4 P35/PCL
p_gp_out_c_7 ← 5 P34/TI2
p_input_r → 6 P33/TI1
p_input_l → 7 P32/TO2
p_vol_m → 8 P31/TO1
p_vol_p → 9 P30/TO0
xreset ← 10 RESET
X2 ← 11 X2
X1 → 12 X1
IC ← 13 IC
XT2 ← 14 XT2
XT1 → 15 P04/XT1
VDD ← 16 VDD
p_gp_out_c_6 ← 17 P27/SCK0
p_gp_out_c_5 ← 18 P26/SO0/SB1
p_gp_out_c_4 ← 19 P25/SI0/SB0
p_gp_out_c_3 ← 20 P24/BUSY
p_sys_rdy ← 21 P23/STB
p_sys_clk → 22 P22/SCK1
p_sys_do ← 23 P21/SO1
p_sys_di → 24 P20/SI1
GND ← 25 AVSS
p_gp_out_c_2 ← 26 P17/ANI7
p_gp_out_c_1 ← 27 P16/ANI6
p_gp_out_c_0 ← 28 P15/ANI5
p_test_checker → 29 P14/ANI4
p_key4 → 30 P13/ANI3
P87/FIP20 80 → p_5s
Vload 79 → VFDP
P90/FIP21 78 → p_6s
P91/FIP22 77 → p_7s
P92/FIP23 76 → p_8s
P93/FIP24 75 → p_9s
P94/FIP25 74 → p_10s
P95/FIP26 73 → p_11s
P96/FIP27 72 → p_12s
P97/FIP28 71 → p_13s
P100/FIP29 70 → p_14s
P101/FIP30 69 → p_15s
P102/FIP31 68 → p_16s
P103/FIP32 67 → p_17s
P104/FIP33 66 → p_18s
P105/FIP34 65 → p_19s
P106/FIP35 64 → p_20s
P107/FIP36 63 → p_21s
P110/FIP37 62 → p_22s
P111/FIP38 61 → p_23s
P112/FIP39 60 → p_24s
P113/FIP40 59 → p_25s
P114/FIP41 58 → p_26s
P115/FIP42 57 → p_27s
P116/FIP43 56 → p_28s
P117/FIP44 55 → p_29s
P120/FIP45 54 → p_30s
P121/FIP46 53 → p_31s
P122/FIP47 52 → p_32s
P123/FIP48 51 → p_33s
P12/ANI2 31 ↑ p_key3
P11/ANI1 32 ↑ p_key2
P10/ANI0 33 ↑ p_key1
AVDD 34 ↓ VDD
AVREF 35 ↓ AVREF
P03/INTP3 36 ↑ p_232c_det
P02/INTP2 37 ↑ p_sys_cs
P01/INTP1 38 ↑ p_mr_in
P00/INTP0/TI0 39 ↑ p_sr_in
VSS 40 ↓ VSS
P74 41 ↑ p_gp_in_4
P73 42 ↑ p_gp_in_3
P72 43 ↑ p_gp_in_2
P71 44 ↑ p_gp_in_1
P70 45 ↑ p_gp_in_0
VDD 46 ↓ VDD
P127/FIP52 47 ↓ p_37s
P126/FIP51 48 ↓ p_36s
P125/FIP50 49 ↓ p_35s
P124/FIP49 50 ↓ p_34s

● Pin Function

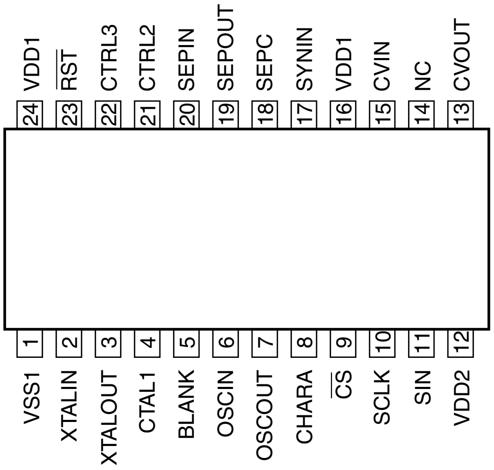
No.	Mark	Pin Name	I/O	Pin Function
1	VDD	VDD	–	Positive power supply
2	P37	p_1w_wp	O	Main microcomputer start-up output corresponding to 1W
3	P36/BUZ	p_gp_out_c_8	O	General-purpose output (CMOS_8) for IR2SW (must be tied L)
4	P35/PCL	p_xanteck	O	xantec correspondence L: set2 (PIONEER), H: set1 (others)
5	P34/TI2	p_gp_out_c_7	O	General-purpose output (CMOS_7)
6	P33/TI1	p_input_r	I	MULTIJOG
7	P32/TO2	p_input_l	I	MULTIJOG
8	P31/TO1	p_vol_m	I	vol(-)
9	P30/TO0	p_vol_p	I	vol(+)
10	RESET	xreset	–	Reset input
11	X2	X2	–	Connect a 5MHz crystal for X1 input clock oscillation
12	X1	X1	I	
13	IC	IC	–	
14	XT2	XT2	–	
15	P04/XT1	XT1	I	Pull-down (100k)
16	VDD	VDD	–	Positive power supply
17	P27/SCK0	p_gp_out_c_6	O	General-purpose output (CMOS_6)
18	P26/SO0/SB1	p_gp_out_c_5	O	General-purpose output (CMOS_5) ISO PHASE LED
19	P25/SI0/SB0	p_gp_out_c_4	O	General-purpose output (CMOS_4) MCACC LED
20	P24/BUSY	p_gp_out_c_3	O	General-purpose output (CMOS_3)
21	P23/STB	p_sys_rdy	O	RDY of Main microcomputer communication
22	P22/SCK1	p_sys_clk	I	CLK of Main microcomputer communication
23	P21/SO1	p_sys_do	O	Data output of Main microcomputer communication
24	P20/SI1	p_sys_di	I	Data input of Main microcomputer communication
25	AVSS	GND	–	A/D converter GND, same electric potential as the EVSS/VSS.
26	P17/ANI7	p_gp_out_c_2	O	General-purpose output (CMOS_2) DIGITAL PROCESSING LED
27	P16/ANI6	p_gp_out_c_1	O	General-purpose output (CMOS_1) HDMI LED
28	P15/ANI5	p_gp_out_c_0	O	General-purpose output (CMOS_0) i.LINK(upper model),DVC (lower model) LED
29	P14/ANI4	p_test_checker	I	Test mode input for checker pull-down by 100K
30	P13/ANI3	p_key4	I	Front key input (A/D)
31	P12/ANI2	p_key3	I	Front key input (A/D)
32	P11/ANI1	p_key2	I	Front key input (A/D)
33	P10/ANI0	p_key1	I	Front key input (A/D)
34	AVDD	VDD	–	Power supply
35	AVREF	AVREF	–	Reference voltage input of A/Dconverter
36	P03/INTP3	p_232c_det	I	232C signal detection A model without RS232C needs pull-up.
37	P02/INTP2	p_sys_cs	I	CS of Main microcomputer communication
38	P01/INTP1	p_mr_in	I	Multi room remote control signal input A model without IR needs pull-up.
39	P00/INTP0/TI0	p_sr_in	I	Main room remote control signal input
40	VSS	VSS	–	Ground
41	P74	p_gp_in_4	I	General-purpose input 4 Pull-down to GND when does not use.
42	P73	p_gp_in_3	I	General-purpose input 3 Pull-down to GND when does not use.
43	P72	p_gp_in_2	I	General-purpose input 2 Pull-down to GND when does not use.
44	P71	p_gp_in_1	I	General-purpose input 1 Pull-down to GND when does not use.
45	P70	p_gp_in_0	I	General-purpose input 0 Pull-down to GND when does not use.
46	VDD	VDD	–	Positive power supply
47	P127/FIP52	p_37s	O	FL drive
48	P126/FIP51	p_36s	O	FL drive
49	P125/FIP50	p_35s	O	FL drive
50	P124/FIP49	p_34s	O	FL drive

No.	Mark	Pin Name	I/O	Pin Function
51	P123/FIP48	p_33s	O	FL drive
52	P122/FIP47	p_32s	O	FL drive
53	P121/FIP46	p_31s	O	FL drive
54	P120/FIP45	p_30s	O	FL drive
55	P117/FIP44	p_29s	O	FL drive
56	P116/FIP43	p_28s	O	FL drive
57	P115/FIP42	p_27s	O	FL drive
58	P114/FIP41	p_26s	O	FL drive
59	P113/FIP40	p_25s	O	FL drive
60	P112/FIP39	p_24s	O	FL drive
61	P111/FIP38	p_23s	O	FL drive
62	P110/FIP37	p_22s	O	FL drive
63	P107/FIP36	p_21s	O	FL drive
64	P106/FIP35	p_20s	O	FL drive
65	P105/FIP34	p_19s	O	FL drive
66	P104/FIP33	p_18s	O	FL drive
67	P103/FIP32	p_17s	O	FL drive
68	P102/FIP31	p_16s	O	FL drive
69	P101/FIP30	p_15s	O	FL drive
70	P100/FIP29	p_14s	O	FL drive
71	P97/FIP28	p_13s	O	FL drive
72	P96/FIP27	p_12s	O	FL drive
73	P95/FIP26	p_11s	O	FL drive
74	P94/FIP25	p_10s	O	FL drive
75	P93/FIP24	p_9s	O	FL drive
76	P92/FIP23	p_8s	O	FL drive
77	P91/FIP22	p_7s	O	FL drive
78	P90/FIP21	p_6s	O	FL drive
79	Vload	VFDP	–	Connect a pull-down resistor of FIP controller/driver
80	P87/FIP20	p_5s	O	FL drive
81	P86/FIP19	p_4s	O	FL drive
82	P85/FIP18	p_3s	O	FL drive
83	P84/FIP17	p_2s	O	FL drive
84	P83/FIP16	p_1s	O	FL drive
85	P82/FIP15	p_16g	O	FL drive
86	P81/FIP14	p_15g	O	FL drive
87	P80/FIP13	p_14g	O	FL drive
88	FIP12	p_13g	O	FL drive
89	FIP11	p_12g	O	FL drive
90	FIP10	p_11g	O	FL drive
91	FIP9	p_10g	O	FL drive
92	FIP8	p_9g	O	FL drive
93	FIP7	p_8g	O	FL drive
94	FIP6	p_7g	O	FL drive
95	FIP5	p_6g	O	FL drive
96	FIP4	p_5g	O	FL drive
97	FIP3	p_4g	O	FL drive
98	FIP2	p_3g	O	FL drive
99	FIP1	p_2g	O	FL drive
100	FIP0	p_1g	O	FL drive

■ PDC131A (COMPOSITE V ASSY : IC2007)

- Character Generator IC

● Pin Arrangement (Top view)



24 VDD1
23 RST
22 CTRL3
21 CTRL2
20 SEPIN
19 SEPOUT
18 SEPC
17 SYNIN
16 VDD1
15 CVIN
14 NC
13 CVOUT
1 VSS1
2 XTALIN
3 XTALOUT
4 CTAL1
5 BLANK
6 OSCIN
7 OSCOUT
8 CHARA
9 CS
10 SCLK
11 SIN
12 VDD2

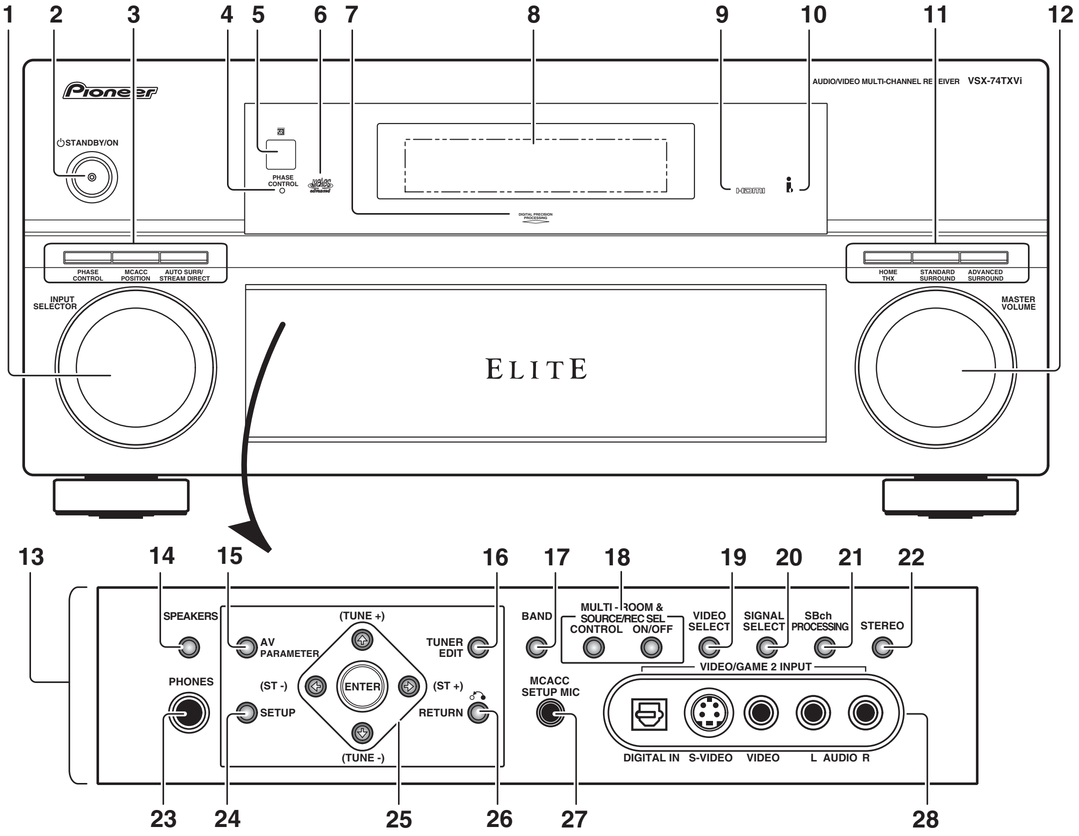
● Pin Function

No.	Pin Name	I/O	Pin Function
1	VSS1	–	Ground connection (digital system ground)
2	XtalIN	I	Crystal oscillator connection
3	XtalOUT	O	Crystal oscillator connection
4	CTRL1	I	Crystal oscillator input switching
5	BLANK	O	Outputs the blank signal
6	OSCIN	I	LC oscillator connection
7	OSCOUT	O	LC oscillator connection
8	CHARA	O	Outputs the character signal
9	$\overline{\text{CS}}$	I	Serial data input enable input
10	SCLK	I	Serial data input clock input
11	SIN	I	Serial data input
12	VDD2	–	Power supply
13	CVOUT	O	Composite video signal output
14	NC	–	Must be either connected to ground or left open.
15	CVIN	I	Composite video signal input
16	VDD1	–	Power supply (+5 V: digital system power supply)
17	SYNIN	I	Video signal input for the built-in sync separator circuit
18	SEPC	I	Built-in sync separator circuit bias voltage monitor pin
19	SEPOUT	O	Built-in sync separator circuit composite sync signal output
20	SEPIN	I	Inputs a vertical synchronization signal created by integrating the SEPOUT pin output signal
21	CTRL2	I	NTSC/PAL-M switching input
22	CTRL3	I	Control whether or not the VSYNC signal is input to the SEPIN input
23	$\overline{\text{RST}}$	I	System reset input
24	VDD1	–	Power supply (+5 V: digital system power supply)

8. PANEL FACILITIES

Front panel

Illustration shows the VSX-74TXVi front panel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Pioneer
STANDBY/ON
PHASE CONTROL
AUDIO/VIDEO MULTI-CHANNEL RECEIVER VSX-74TXVi
HDMI
DIGITAL PRECISION PROCESSING
PHASE CONTROL
MCACC POSITION
AUTO SURR/ STREAM DIRECT
HOME THX
STANDARD SURROUND
ADVANCED SURROUND
INPUT SELECTOR
MASTER VOLUME
ELITE
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22
SPEAKERS
AV PARAMETER
(TUNE +)
TUNER EDIT
BAND
MULTI - ROOM & SOURCE/REC SEL
CONTROL
ON/OFF
VIDEO SELECT
SIGNAL SELECT
SBch PROCESSING
STEREO
PHONES
(ST -)
ENTER
(ST +)
SETUP
RETURN
(TUNE -)
MCACC SETUP MIC
VIDEO/GAME 2 INPUT
DIGITAL IN
S-VIDEO
VIDEO
L AUDIO R
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1 INPUT SELECTOR dial
Use to select an input source.

2 ⏻ STANDBY/ON
Switches the receiver between on and standby. Power indicator lights when the receiver is on.

3 PHASE CONTROL- Press to switch on/off phase correction.
MCACC POSITION - Press to switch between MCACC presets.
AUTO SURR / STREAM DIRECT - Press to select Auto Surround or Stream Direct listening.

4 PHASE CONTROL indicator
Lights when Phase Control is switched.

5 Remote sensor
Receives the signals from the remote control (see Operating range of remote control unit).

6 MCACC indicator
Lights when one of the MCACC presets is selected.

7 Digital Precision Processing indicator
Lights to indicate digital processing (for example, it disappears when Pure Direct is on, or when listening through the multichannel analog inputs).

8 Character display
See Display.

9 HDMI indicator
Blinks when connecting an HDMI-equipped component; lights when the component is connected.

10 i.LINK indicator (VSX-74TXVi only)
Lights when an i.LINK-Audio-equipped component is selected.

DIGITAL VIDEO CONVERSIONindicator (VSX-72TXV only)
Lights when digital video conversion is enabled.

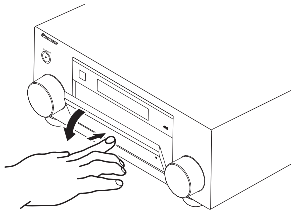
11 Listening mode buttons
HOME THX - Press to select a Home THX listening mode.

STANDARD SURROUND - Press for Standard decoding and to switch between the various ᗡᗞPro Logic IIx and Neo:6 options.

ADVANCED SURROUND - Use to switch between the various surround modes.

12 MASTER VOLUME dial

13 Front panel controls
To access the front panel controls, push gently on the lower third portion of the panel with your finger.



14 SPEAKERS
Use to change the speaker system.

15 AV PARAMETER
Use to access the AV options.

16 TUNER EDIT
Use with ⬅/➡ to memorize and name stations for recall.

17 BAND
Switches between AM and FM radio bands.

18 MULTI ROOM & SOURCE / REC SEL controls
If youíve made multi-room connections (see Multi-room listening) use these controls to control the sub room from the main room(see Using the multi-room controls).

You will also need to use the **REC SEL** controls when recording a source (see Making an audio or a video recording).

19 VIDEO SELECT
Press repeatedly to select the video source.

20 SIGNAL SELECT
Use to select an input signal.

21 SBch PROCESSING
Selects the surround back channel mode or virtual surround back mode.

22 STEREO
Switches to stereo playback.

23 PHONES jack
Use to connect headphones. When the headphones are connected, there is no sound output from the speakers.

24 SETUP
Press to access the System Setup menu.

25 ⬅➡⬇⬆ (TUNE/ST +/–) /ENTER
Use the arrow buttons when setting up your surround sound system. Use the **TUNE +/–** buttons to find radio frequencies and use **ST +/–** to find preset stations.

26 RETURN
Press to confirm and exit the current menu screen.

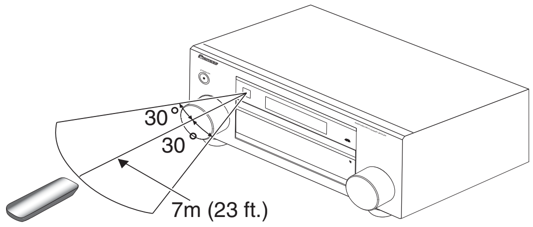
27 MCACC SETUP MIC jack
Use to connect the supplied microphone.

28 VIDEO/GAME 2 INPUT
See Connecting a component to the front panel inputs.

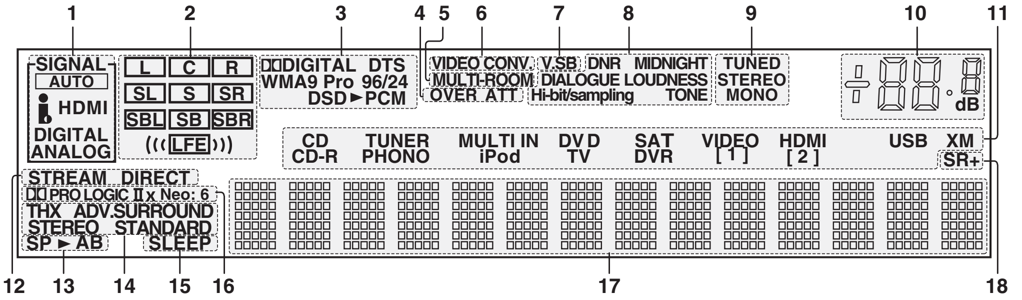
Operating range of remote control unit

The remote control may not work properly if:

- There are obstacles between the remote control and the receiver's remote sensor.
- Direct sunlight or fluorescent light is shining onto the remote sensor.
- The receiver is located near a device that is emitting infrared rays.
- The receiver is operated simultaneously with another infrared remote control unit.



Display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SIGNAL
AUTO
HDMI
DIGITAL
ANALOG
L C R
SL S SR
SBL SB SBR
(((LFE)))
⊐⊏DIGITAL DTS
WMA9 Pro 96/24
DSD►PCM
VIDEO CONV.
MULTI-ROOM
OVER ATT
V.SB DNR MIDNIGHT
DIALOGUE LOUDNESS
Hi-bit/sampling TONE
TUNED
STEREO
MONO
dB
CD
CD-R
TUNER
PHONO
MULTI IN
iPod
DVD
TV
SAT
DVR
VIDEO
[1]
HDMI
[2]
USB
XM
SR+
STREAM DIRECT
⊐⊏PRO LOGIC IIx Neo: 6
THX ADV.SURROUND
STEREO STANDARD
SP ► AB
SLEEP
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1 SIGNAL indicators
Light to indicate the currently selected input signal. **AUTO** lights when the receiver is set to select the input signal automatically.

2 Program format indicators
These change according to which channels are active in digital sources.

L - Left front channel
C - Center channel
R - Right front channel
SL- Left surround channel
S - Surround channel (mono)
SR - Right surround channel
SBL - Left surround back channel
SB - Surround back channel (mono)
SBR- Right surround back channel
LFE - Low frequency effects channel (the ((( ))) indicators light when an LFE signal is being input)

3 Digital format indicators
Light when a signal encoded in the corresponding format is detected (**DSD ► PCM** lights during DSD (Digital Stream Direct) to PCM conversion with SACDs).

4 OVER / ATT
OVER lights to indicate that the level of an analog source is too high. **ATT** lights when you use the attenuator (**ANALOG ATT**) to reduce it.

5 MULTI-ROOM
Lights when the multi-room feature is active.

6 VIDEO CONV.
Lights when digital video conversion is enabled.

7 V.SB
Lights during Virtual surround back processing

8 Sound processing indicators
Light according to the active AV parameter(s)

9 TUNER indicators

TUNED - Lights when a broadcast is being received.

STEREO - Lights when a stereo FM broadcast is being received in auto stereo mode.

MONO - Lights when the mono mode is set using the **MPX** button.

10 Master volume level
Shows the overall volume level. **–80dB** indicates the minimum level, and **+12dB** indicates the maximum level.

11 Input source indicators
Light to indicate the input source you have selected.

12 STREAM DIRECT
Lights when Direct / Pure Direct is selected.

13 Speaker indicators
Lights to indicate the current speaker system, **A** and/or **B** .

14 Listening mode indicators

THX - Lights when one of the Home THX modesis selected.

ADV. SURROUND - Lights when one of the Advanced Surround modes has been selected.

STEREO - Lights when stereo listening is switched on (see Listening in stereo).

STANDARD - Lights when one of the Standard Surround modes is switched on(see Listening in surround sound.

15 SLEEP
Lights when the receiver is in sleep mode.

16 Matrix decoding format indicators

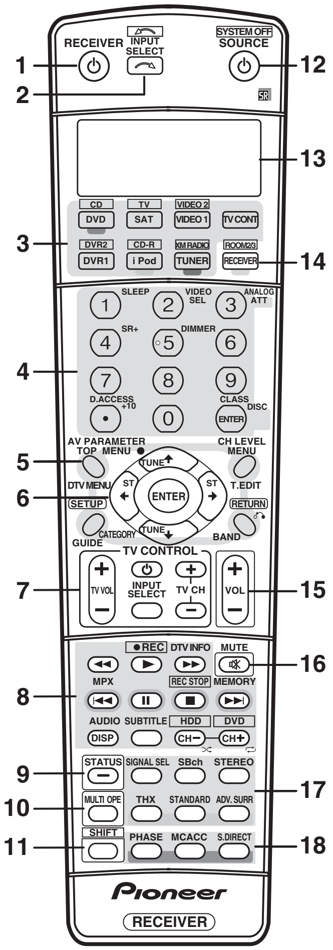
⊐⊏PRO LOGIC IIx – This lights to indicate ⊐⊏Pro Logic II / ⊐⊏Pro Logic IIx decoding

Neo:6- When one of the Neo:6 modes of the receiver is on, this lights to indicate Neo:6 processing

17 Character display
Displays various system information.

18 SR+
Lights when the SR+ mode is switched.

Remote control


RECEIVER
INPUT SELECT
SYSTEM OFF
SOURCE
SR
CD
TV
VIDEO 2
DVD
SAT
VIDEO 1
TV CONT
DVR2
CD-R
XM RADIO
ROOM2/3
DVR1
i Pod
TUNER
RECEIVER
SLEEP
VIDEO SEL
ANALOG ATT
SR+
DIMMER
D.ACCESS
+10
CLASS
DISC
ENTER
AV PARAMETER
TOP MENU
CH LEVEL
MENU
TUNE
DTV MENU
ST
T.EDIT
SETUP
ENTER
RETURN
CATEGORY
GUIDE
BAND
TV CONTROL
TV VOL
INPUT SELECT
TV CH
VOL
●REC
DTV INFO
MUTE
MPX
REC STOP
MEMORY
AUDIO
SUBTITLE
HDD
DVD
DISP
CH−
CH+
STATUS
SIGNAL SEL
SBch
STEREO
MULTI OPE
THX
STANDARD
ADV. SURR
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MCACC
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RECEIVER
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The remote has been conveniently color-coded according to component control using the following system (press the corresponding input source button to access):

- **Green** - Receiver controls (see below)
- **Red** - DVD controls
- **Blue** - Tuner/XM Radio controls
- **Yellow** - iPod controls
- **White** - Other controls

1 RECEIVER ⏻
This switches between standby and on for this receiver.

2 INPUT SELECT
Use to select the input source (use **SHIFT** for **INPUT SELECT** ⌒).

3 Input source buttons
Press to select control of other components (see Controlling the rest of your system).

4 Number buttons and other receiver/ component component controls
Use the number buttons to directly select a radio frequency or the tracks on a CD, DVD, etc.

DISC (ENTER) can be used to enter commands for TV or DTV, and also to select a disc in a multi-CD player.

Press **RECEIVER** first to access:

SLEEP - Use to put the receiver in sleep mode and select the amount of time before sleep.

VIDEO SEL - Press repeatedly to select the video source.

ANALOG ATT - Attenuates (lowers) the level of an analog input signal to prevent distortion.

SR+ - Switches the SR+ mode on/off.

DIMMER - Dims or brightens the display.

Press **TUNER** first to access:

D.ACCESS - After pressing, you can access a radio station directly using the number buttons.

CLASS - Switches between the three banks (classes) of radio station presets.

5 Tuner/component control buttons/SETUP
These button controls can be accessed after you have selected the corresponding input source button (**DVD/LD**, **TV/SAT**, etc.). The **BAND**and **T.EDIT** tuner controls are explained. Press **RECEIVER** first to access the following controls:

AV PARAMETER - Use to access the AV options.

SETUP - Use to access the System Setup menu.

CH LEVEL - Press repeatedly to select a channel, then use ⬅/➡ to adjust the level.

RETURN - Press to confirm and exit the current menu screen (also use to return to the previous menu with DVDs or to select closed captioning with DTV).

6 ⬅➡⬇⬆ (TUNE / ST) / ENTER
Use the arrow buttons when setting up your surround sound system and the AV options. Also used to control DVD menus/options and for deck 1 of a double cassette deck player. Use the **TUNE** ⬆/⬇ buttons to find radio frequencies and use **ST** ⬅/➡to find preset stations.

7 TV CONTROL buttons
These buttons are dedicated to control the TV assigned to the **TV CONT** button. Thus if you only have one TV to hook up to this system assign it to the **TV CONT** input source button. If you have two TVs, assign the main TV to the **TV CONT** button.

TV - Use to turn on/off the power of the TV.

TV VOL +/– - Use to adjust the volume on your TV.

INPUT SELECT - Use to select the TV input signal.

TV CH +/– - Use to select channels.

8 Component control buttons
The main buttons (▶, ■, etc.) are used to control a component after you have selected it using the input source buttons.

The controls above these buttons can be accessed after you have selected the corresponding input source button (for example **DVD/LD**, **DVR/VCR** or **TV/SAT** (when connected to a DTV)). The following controls can be accessed when listening to the built-in tuner:

MPX - Switches between stereo and mono reception of FM broadcasts. If the signal is weak then switching to mono will improve the sound quality.

DISP- Switches between named station presets and radio frequencies.

9 STATUS
Press to check selected receiver settings.

10 MULTIOPE
Use this button to perform multi operations.

11 SHIFT
Press to access the controls outlined in white boxes (for example, **INPUT SELECT** ▭), or to display the currently selected input source in the remote control LCD.

12 SOURCE
Press to turn on/off other components connected to the receiver.

13 Character display (LCD)
This display shows information when transmitting control signals.

The following commands are shown when you're setting the remote to control other components (see Controlling the rest of your system):

SETUP - Indicates the setup mode, from which you choose the options below.

PRESET - See Selecting preset codes directly.

LEARNING - See Programming signals from other remote controls.

MULTI OP - See Multi Operation and System Off.

SYS OFF - See Multi Operation and System Off.

DIRECT F - See Direct function.

RENAME - See Renaming input source names.

ERASE- See Erasing one of the remote control button settings.

RESET - See Resetting the remote control presets.

READ ID - See Confirming preset codes.

14 RECEIVER
Switches the remote to control the receiver (used to select the green commands above the number buttons (**ANALOG ATT**, etc). Also use this button to set up surround sound. With SHIFT, this selects selects the multi-room control, shown in the display as **RCV/RM2**, **RCV/RM3**.

15 VOL +/–
Use to set the listening volume.

16 MUTE
Mutes the sound or restores the sound if it has been muted (adjusting the volume also restores the sound).

17 Receiver controls
SIGNAL SEL - Use to select an input signal.

SBch - Use to select the surround/virtual back channel mode.

STEREO - Switches between direct and stereo playback. Direct playback bypasses the tone controls and any other signal processing for the most accurate reproduction of a source.

THX - Press to select a Home THX listening mode.

STANDARD - Press for Standard decoding and to switch between the various Pro Logic IIx and Neo:6 options.

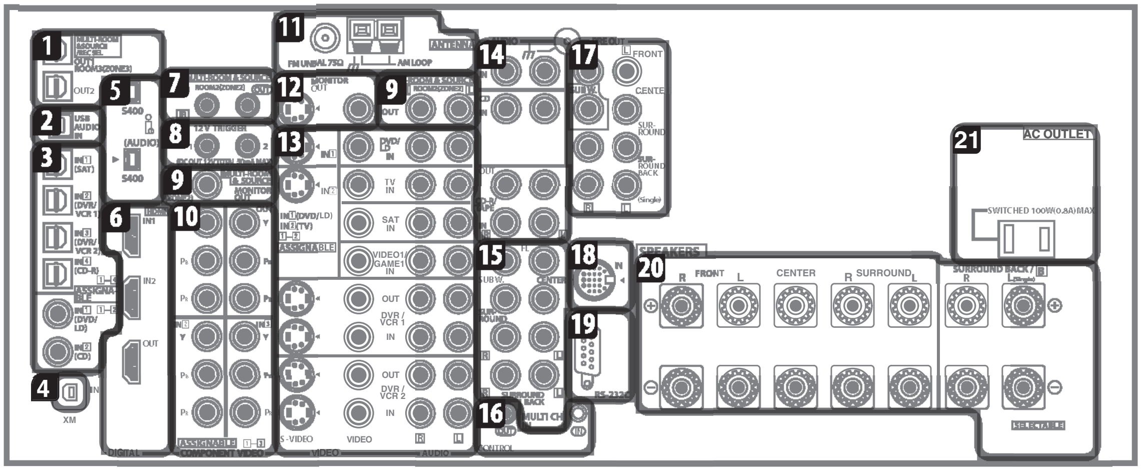
ADV.SURR - Use to switch between the various surround modes.

18 PHASE - Press to switch on/off phase correction.

MCACC - Press to switch between MCACC presets .

S.DIRECT - Press to select Auto Surround or Stream Direct listening.

Rear panel



Caution

- Before making or changing the connections, switch off the power and disconnect the power cord from the power outlet. Plugging in should be the final step.

1 Optical digital audio output(s)
Use the **OUT1** and (VSX-74TXVi only) **OUT2** jack ecording to a CD or MiniDisc recorder.
→ Connecting digital audio sources.

The **OUT1** jack is also used for multi-room connections.
→ Multi-room listening.

2 USB audio input (VSX-74TXVi only)
Use to connect your PC as an audio source.
→ Using the USB interface.

3 Optical and coaxial digital audio inputs (x6)
Use for digital audio sources, including DVD players/recorders, digital satellite receivers, CD players, etc.

→ See also The Input Setup menu to assign the inputs.

4 XM Radio input
→ See Using XM Radio.

5 S-400 i.LINK connectors (x2) (VSX-74TXVi only)
Use to connect other i.LINK audio devices for high-resolution, multichannel digital audio input/output.
→ Using the i.LINK interface.

6 HDMI connectors (x3)
Two inputs and one output for high-quality audio/video connection to compatible HDMI devices.
→ Connecting using HDMI.

7 Remote input (multi-room and source)
Use for connection to an external remote control sensor for use in a multi-room setup, for example.
→ Connecting an IR receiver.

8 12V trigger jacks (total 50 mA max.) **(x2)**
Use to switch components in your system on and off according to the input function of the receiver.
→ Switching components on and off using the 12 volt trigger.

9 Multi-room and source outputs
Use to connect a second amplifier in a separate room.
→ Multi-room listening.

10 Component video connections (x4)
Use the inputs to connect any video source that has component video output, such as a DVD recorder. Use the output for connection to a monitoror TV.
→ Using the component video jacks.

11 AM and FM antenna terminals
Use to connect indoor or outdoor antennas for radio broadcasts.
→ Connecting antennas.

12 Composite and S-video monitor outputs
Use to connect monitors and TVs.
→ Connecting your TV and DVD player.

13 Audio/video source inputs/(outputs) (x6)
Use for connection to audio/visual sources, such as DVD players/recorders, VCRs, etc. Each set of inputs has jacks for composite video, S-video and stereo analog audio.
→ Connecting a DVD/HDD recorder, VCR and other video sources.

14 Stereo analog audio source inputs/ (outputs) (x3)
Use for connection to audio sources such as CD players, tape decks, turntables, etc.
→ Connecting analog audio sources.

15 Multichannel analog audio inputs
7.1 channel inputs for connection to a DVD player with multichannel analog outputs.
→ Connecting the multichannel analog inputs.

16 Control input/output
Use to connect other Pioneer components so that you can control all your equipment from a single IR remote sensor.
→ Operating other Pioneer components with this unit's sensor.

17 Multichannel pre-amplifier outputs
Use to connect separate amplifiers for center, surround, surround back and subwoofer channels.
→ Connecting additional amplifiers(see also Installing your speaker systemfor powered subwoofer connection).

18 iPod input terminal
Use to connect your Apple iPod as an audio source.
→ Connecting an iPod.

19 RS-232C connector
Use for connection to a PC for graphical output when using Advanced MCACC.
→ Connecting a PC for Advanced MCACC output.

20 Speaker terminals
Use for connection to the main front, center, surround and surround back speakers.
→ Installing your speaker system.

21 Switched AC power outlet (100W/0.8A max.)
Use to power another component in the system. Power to the outlet switches on and off with the receiver.
→ AC outlet.

■ Jigs list

Name	Jig No.	Remarks
RS-232C I/F JIG	GGF1348	Update of the flash ROM
Flexible Cable (7P)	VDA1681	Update of the flash ROM
Audio control cable for iPod	ADE7119	Check of iPod